

JVC

Preliminary

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-32C50BU, LT-32C50SU

BASIC CHASSIS

FL

D.I.S.T.
Digital Image Scaling Technology

InterArt

T-V LINK

BBE



TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-6
3	DISASSEMBLY	1-10
4	ADJUSTMENT	1-16
5	TROUBLESHOOTING	1-23

SPECIFICATION

Items		Contents
Dimensions (W × H × D)		70.3cm × 56.0 cm × 29.5 cm [Included stand] 70.3cm × 49.1 cm × 10.7 cm [TV only]
Mass		15.5kg [Included stand] 13.0kg [TV only]
Power Input		AC110 to AC240 V, 50 Hz / 60 Hz
Power Consumption		125W (Standby: 2.8W)
TV RF System		CCIR B/G, I, D/K, L
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43 (NTSC: EXT only).
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K, L)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF UHF CATV	47MHz to 470MHz 470MHz to 862MHz 116MHz to 172MHz / 220MHz ~ 469MHz
Intermediate Frequency	VIF SIF	38.9MHz(B/G, D/K, I) 33.4MHz(5.5MHz:B/G) / 32.9MHz(6.0MHz:I) / 32.4MHz(6.5MHz:L,D/K)
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3.58MHz / 4.43MHz
LCD panel		26V-inch wide aspect (16:9)
Screen Size		Diagonal : 64.8cm (H:56.5cm × V : 31.8cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10W + 10W
Speaker		6.6cm, round type × 2 (Oblique corn)
Aerial terminal (VHF/UHF)		F-type connector, 75Ω unbalanced, coaxial
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket) × 2
EXT-3 (Input)	S-Video Video Audio	Mini-DIN 4 pin × 1 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1 500mV (rms), High impedance, RCA pin jack × 2
EXT-4 (Input)	Component Video 1125i 625p / 525p / 625i / 525i Audio	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)
Audio output		500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5mm stereo mini jack × 1
Remote Control Unit		RM-C1811H (AA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND, the ISOLATED (NEUTRAL) : (\equiv) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

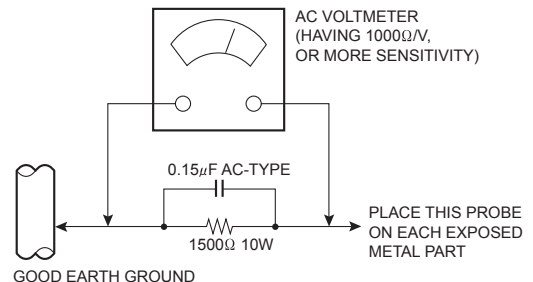
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

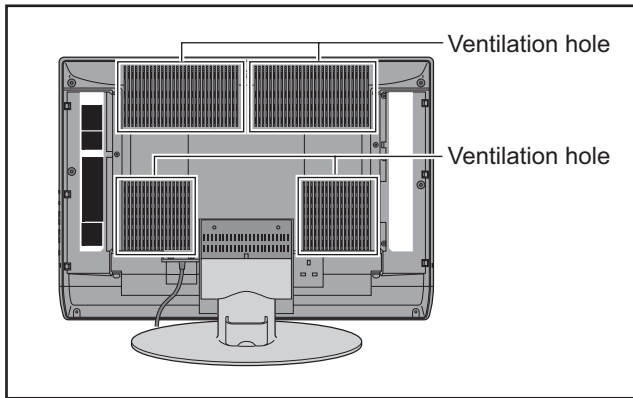
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

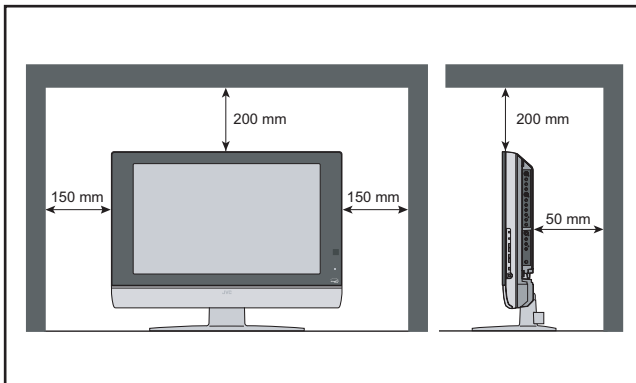
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



1.2.2 INSTALLATION REQUIREMENTS

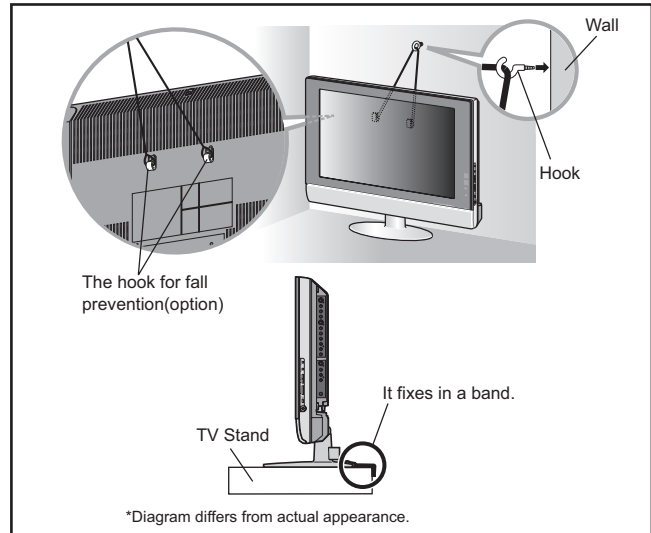
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Use the supplied screws to firmly attach the supplied hooks (OPTION) to the back of the TV, and use commercially available cord to fix the TV to rigid components such as walls and columns.



1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**

When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) **ATTACH PROTECTION SHEET TO THE FRONT**

Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) **AVOID VIBRATIONS AND IMPACTS**

The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**

Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

- (1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.
- (2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
- (3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
- (4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

- (1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.
- (2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
- (3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

COLOUR MANAGEMENT

This function ensures dull colours are compensated to produce natural hues.

PICTURE MANAGEMENT

This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

ZOOM

This function can change the screen size according to the picture aspect ratio.

DIGITAL VNR

This function cuts down the amount of noise in the original picture.

SUPER DIGIPURE

This function uses the latest in digital technology to give you a natural-looking picture.

MOVIE THEATRE

This function displays a cinema film picture more smoothly and naturally on the screen.

3D CINEMA SOUND

You can enjoy sounds with a wider ambience.

2.2 MAIN DIFFERENCE LIST

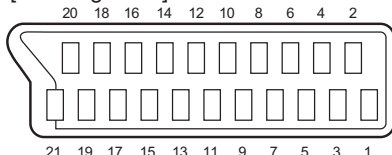
Item	LT-26C50BU	LT-26C50SU
FRONT PANEL COLOUR	BLACK	SILVER

2.3 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV _(B-W) , 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)
11	G input	700mV _(B-W) , 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV _(B-W) , 75Ω C : 300mV _(P-P) , 75Ω	Used (R)	Used (C2/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V _(P-P) (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V _(P-P) (Negative sync), 75Ω	Used	Used
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Maximum dimensions (W × H × D)	646mm × 373mm × 51mm	
Weight	8.0kg	
Effective screen size	Diagonal: 648mm (H:565mm × V : 318mm)	26V type
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT, active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB <W-XGA>	3147264 dots in total
Pixel pitch (pixel size)	Horizontally:0.4215mm, Vertically:0.4215mm	
Displayed COLOUR	16777216 COLOURs	256 COLOURs for R, G, and B
Brightness	500cd/m ²	
Contrast ratio	800: 1	
Response time	15ms	
View angle	Horizontally: 170°, Vertically: 170°	
Surface polarizer	Anti-Glare type, Low reflective coat	
COLOUR filter	Vertical stripe	
Backlight	Cold cathode fluorescent lamp × 14	
Power supply voltage in LCD	5V	
Power supply voltage in inverter	12V	
Panel interface system	LVDS (Low Voltage Differential Signaling)	

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.4.2 MAIN CPU PIN FUNCTION [IC7501 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	TCK	I	Test purpose	65	D2	I/O	Program ROM data for main CPU
2	TMS	I	Test purpose	66	D12	I/O	Program ROM data for main CPU
3	TDI	I	Test purpose	67	D10	I/O	Program ROM data for main CPU
4	TDO	O	Test purpose	68	VSS33	-	GND
5	P2.8	O	Not used	69	VDD33	I	3.3V
6	P2.9	O	Blue for OSD	70	D4	I/O	Program ROM data for main CPU
7	P2.10	O	Blue for OSD	71	D3	I/O	Program ROM data for main CPU
8	P2.11	O	Blue for OSD	72	D11	I/O	Program ROM data for main CPU
9	P2.12	O	Blue for OSD	73	RSTIN	I	Reset
10	P2.13	O	Blue for OSD	74	POWER	O	Sleep state release for chassis CPU [Release : L]
11	P2.14	I	Not used	75	P3.1	O	Not used
12	P2.15	O	Request for chassis CPU communication	76	REMOCON	I	Remote control
13	VSS33	-	GND	77	P3.3	I	Clock for OSD
14	VDD33	I	3.3V	78	P3.4	O	Red for OSD
15	P4.5	O	Not used	79	P3.5	O	Red for OSD
16	A20	O	Program ROM address for main CPU	80	P3.6	O	Red for OSD
17	A19	O	Program ROM address for main CPU	81	P3.7	O	Red for OSD
18	A18	O	Program ROM address for main CPU	82	MTST	O	Data transmission for chassis CPU communication
19	A17	O	Program ROM address for main CPU	83	MTSR	I	Data receive for chassis CPU communication
20	VSS25	-	GND	84	VSS33	-	GND
21	VDD25	I	2.5V	85	VDD33	I	3.3V
22	A16	O	Program ROM address for main CPU	86	VSS25	-	GND
23	A8	O	Program ROM address for main CPU	87	VDD25	I	2.5V
24	A7	O	Program ROM address for main CPU	88	TXD0	O	Communication for adjustment
25	A9	O	Program ROM address for main CPU	89	RXD0	O	Communication for adjustment
26	A6	O	Program ROM address for main CPU	90	P3.12	O	Red for OSD
27	A5	O	Program ROM address for main CPU	91	CLK	O	Clock for chassis CPU communication
28	A10	O	Program ROM address for main CPU	92	P3.15	O	Green for OSD
29	A11	O	Program ROM address for main CPU	93	P5.14	O	Green for OSD
30	A12	O	Program ROM address for main CPU	94	P5.15	O	Green for OSD
31	VSS33	-	GND	95	TRIG_IN	O	Green for OSD
32	VDD33	I	3.3V	96	TRIG_OUT	O	Green for OSD
33	A4	O	Program ROM address for main CPU	97	P6.2	O	Green for OSD
34	A3	O	Program ROM address for main CPU	98	P6.3	O	I ² C bus clock (for main memory)
35	A2	O	Program ROM address for main CPU	99	P6.4	I/O	I ² C bus Data (for main memory)
36	A1	O	Program ROM address for main CPU	100	P6.5	O	Teletext signal select [Analog RGB : H / Digital RGB : L]
37	A0	O	Program ROM address for main CPU	101	IRQ	O	Not used
38	A13	O	Program ROM address for main CPU	102	VSYNC	I	Vertical sync
39	ARAS/A14	O	Program ROM address for main CPU	103	HSYNC	I	Horizontal sync
40	CAS/A15	O	Program ROM address for main CPU	104	COR/STOUT	O	Not used
41	VSS33	-	GND	105	BLANK	O	Ys for OSD / Teletext
42	VDD33	I	3.3V	106	VDD33	I	3.3V
43	MEMCLK	O	Clock for memory	107	VSS33	-	GND
44	CSSDRAM	O	Chip select for memory	108	XTAL1	I	6MHz for system clock
45	CLKEN	O	Clock enable for memory	109	XTAL2	O	6MHz for system clock
46	CSROM	O	Chip select for memory	110	VSSA	-	GND
47	RD	O	Read for memory	111	VDDA	I	2.5V
48	UDQM	O	Control buffer of memory	112	R	O	R for OSD / Teletext
49	LDQM	O	Control buffer of memory	113	G	O	G for OSD / Teletext
50	WR	O	Write for memory	114	B	O	B for OSD / Teletext
51	D15	I/O	Program ROM data for main CPU	115	VSSA	-	GND
52	VSS33	-	GND	116	VDDA	I	2.5V
53	VDD33	I	3.3V	117	CVBS2	I	Video for Teletext
54	D7	I/O	Program ROM data for main CPU	118	VSSA	-	GND
55	D0	I/O	Program ROM data for main CPU	119	VDDA	I	2.5V
56	D14	I/O	Program ROM data for main CPU	120	CVBS1B	I	Video for Teletext
57	D8	I/O	Program ROM data for main CPU	121	CVBS1A	I	Video for Teletext
58	D6	I/O	Program ROM data for main CPU	122	VSSA	-	GND
59	D1	I/O	Program ROM data for main CPU	123	VDDA	I	2.5V
60	VSS33	-	GND	124	KEY1	I	Key scan data 1 [ON : H]
61	VDD33	I	3.3V	125	KEY2	I	Key scan data 2 [ON : H]
62	D13	I/O	Program ROM data for main CPU	126	MECA_SW	I	Main power ON / OFF control [ON : L]
63	D9	I/O	Program ROM data for main CPU	127	P5.3	I	Not used
64	D5	I/O	Program ROM data for main CPU	128	TMODE	I	Test purpose

2.4.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	Not used : RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEPROM (IC7002)
8	ILA0	O	Not used : LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEPROM (IC7002)
9	ILA1	O	Not used : LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGI_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for SUB (OSD) CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for SUB (OSD) CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for SUB (OSD) CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for SUB (OSD) CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	for DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillator	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillator	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock oscillation (crystal) : 16MHz	73	SBD5	I/O	Not used : Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock oscillation (crystal) : 16MHz	74	SBT5	I	Not used : Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOUR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	No use : Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	No use : Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	No use : System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communication monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset = L]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed = H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND (Fig.1)

- (1) Remove the 2 screws [A], then remove the STAND COVER.
- (2) Remove the 4 screws [B], then remove the STAND.

3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.
 - (1) Remove the JACK COVER (L/R).
 - (2) Remove the 7 screws [C], the 4 screws [D], and the 1 screws [E] .
 - (3) Remove the REAR COVER.

3.1.3 REMOVING THE POWER PWB / REGULATOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 5 screws [F], then remove the FAN BRACKET.
 - (2) Remove the 1 screw [G], then remove the POWER CORD HOLDER.
 - (3) Remove the POWER CORD from the POWER PWB.
 - (4) Remove the REGULATOR PWB.
 - (5) Remove the 5 screw [H], then remove the POWER PWB.

3.1.4 REMOVING THE ANALOG SYGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
 - (1) Remove the 6 screws [J] then remove the TERMINAL BASE.
 - (2) Remove the 6 screws [K] then remove the ANALOG SYGNAL PWB.

3.1.5 REMOVING THE FRONT CONTROL PWB CONTROL / FRONT SENSOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 2 screws [L], then remove the CONTROL KNOB ASSY.
 - (2) Remove the 2 screws [M], then remove the FRONT CONTROL PWB.
 - (3) Remove the FRONT SENSOR PWB.

3.1.6 REMOVING THE RECEIVER PWB / CONNECTOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 4 screws [O] then remove the RECEIVER PWB.
 - (2) Remove the 4 screws [P] then remove the RECEIVER PWB BRACKET.
 - (3) Remove the 2 screws [Q] then remove the CONNECTOR PWB.

3.1.7 REMOVING THE DIGITAL SIGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 9 screws [S] and the 3screws [T], then remove the SHIELD COVER.
 - (2) Remove the 3 screws [U], then remove the TUNER BASE and SIDE SHIELD CASE.
 - (3) Remove the 5 screws [V], then remove the DIGITAL SIGNAL PWB.

3.1.8 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 5 screws [a], then remove the SPEAKER BOX.
 - (2) Remove the 4 screws [b], then remove the SPEAKER (L /R).
 - (3) Remove the 4 screws [c], then remove the DUCT(L/R).

NOTE:

Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.

3.1.9 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
 - (1) Remove the 6 screws [d] and the 4 screws [e].
 - (2) Remove the LCD PANEL UNIT.
 - (3) Remove the 7 screws [f]. then remove the MAIN BASE.
 - (4) Remove the 2 screws [g]. then remove the TOP FRAME.
 - (5) Remove the 2 screws [h]. then remove the BOTTOM FRAME.

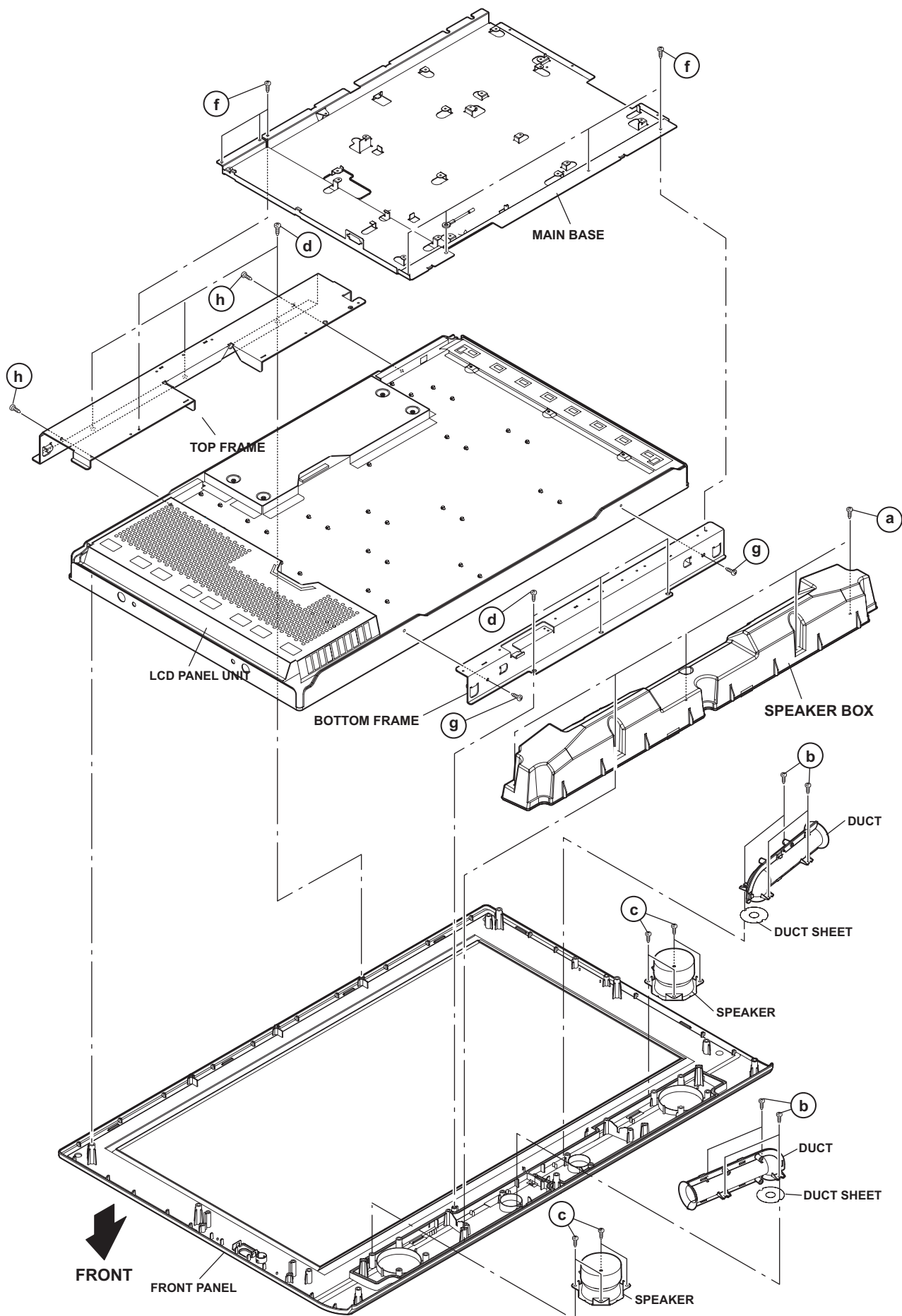


Fig.1

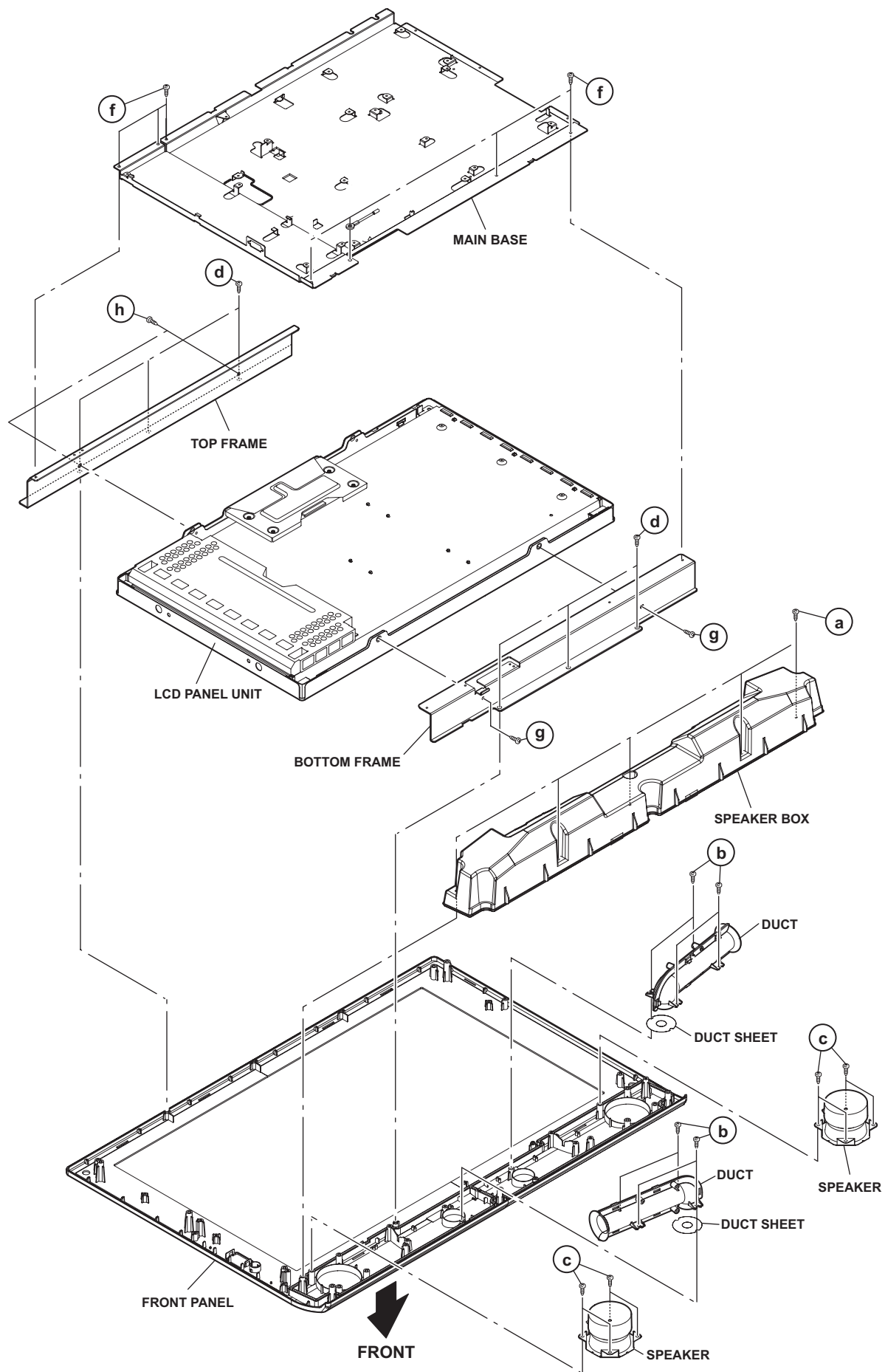


Fig.2

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

3. Power on

Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

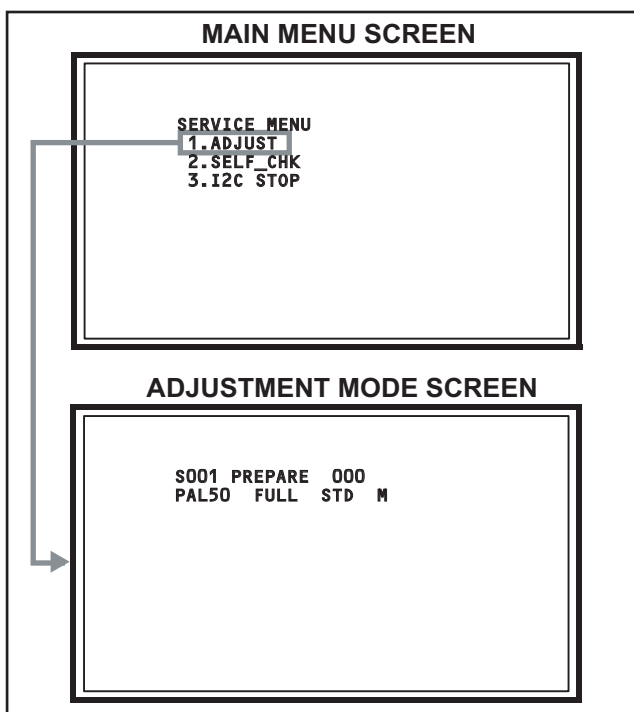


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video sytetem setting	Adjust	S001 to S039
Audio sytetem setting	Fixed	T001 to T010
Panel control sytetem setting	Fixed	P001 to P010
Drive sytetem setting	Fixed	D001 to D187
Main cpu system setting	Fixed	Z001 to Z010

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10
TV/AV	TV

3.2.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position
PICTURE MODE	BRIGHT
COLOUR TEMP.	COOL
FEATURES	
DIGITAL VNR	AUTO (LOW)
Super DigiPure	AUTO
MOVIE THEATRE	AUTO
COLOUR MANAGEMENT	ON
PICTURE MANAGEMENT	ON
COLOUR SYSTEM	TV Depends on PR/CH
	EXT AUTO
4:3 AUTO ASPECT	PANORAMIC

(2) SOUND

Setting item	Setting position
STEREO / I•II	Stereo sound
BASS	Centre
TREBLE	Centre
BALANCE	Centre
3D SOUND	OFF
A.H.B.	ON
BBE	ON

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	PANORAMIC
3D SOUND	OFF

(4) FEATURES

Setting item	Setting position
SLEEP TIMER	OFF
CHILD LOCK	ID NO.0000, All CH off
APPEARANCE	TYPE A
BLUE BACK	ON

(5) SET UP

Setting item	Setting position
AUTO PROGRAM	TV channel automatically set
EDIT/MANUAL	PRESET CH only
LANGUAGE	ENGLISH
DECODER (EXT-2)	OFF
COMPONENT AUTO SELECT	ON
EXT SETTING	
S-IN	BLANK
ID	BLANK
DUBBING	EXT-1 → EXT-2

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

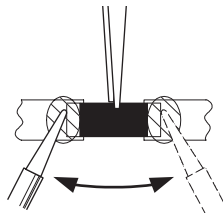
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

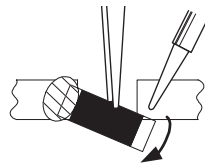
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

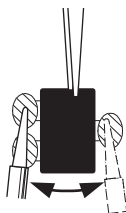


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



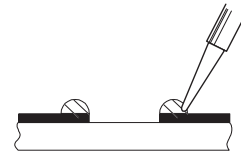
NOTE :

After removing the part, remove remaining solder from the pattern.

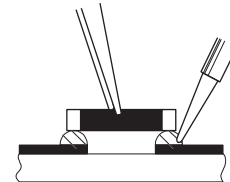
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

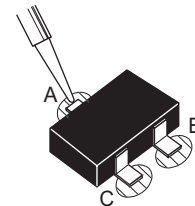


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

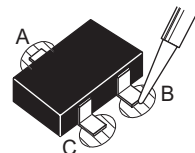


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
PICTURE MODE	STANDARD
PICTURE adjustments	Centre
COLOUR TEMP.	NORMAL
DIGITAL VNR	MIN
Super DigiPure	AUTO
MOVIE THEATRE	AUTO
COLOUR MANAGEMENT	ON
PICTURE MANAGEMENT	ON
SOUND adjustments	Centre
BBE	OFF
3D SOUND	OFF
A.H.B	OFF
ZOOM	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
[PAL / 625i / 625p / 1125i(50Hz)]
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ VIDEO CIRCUIT

- 625i A-D OFFSET adjustment
- 1125i(50Hz) BRIGHTNESS adjustment
- 1125i(50Hz) A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGH LIGHT) adjustment

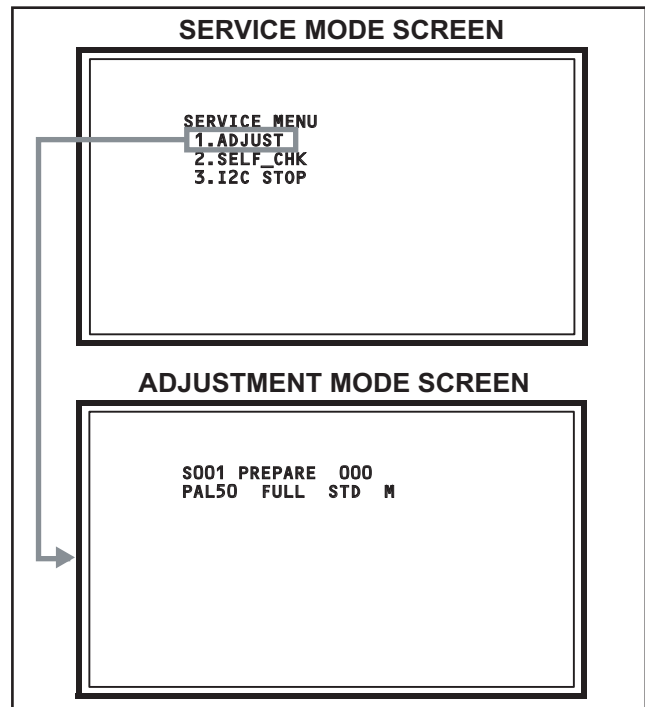
4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Press [INFORMATION] key and [MUTING] key on the remote control unit simultaneously to enter the MAIN MENU screen.
- (2) In the SERVICE MENU, press the [1] key. Then, the ADJUSTMENT MODE SCREEN will be displayed.

NOTE:

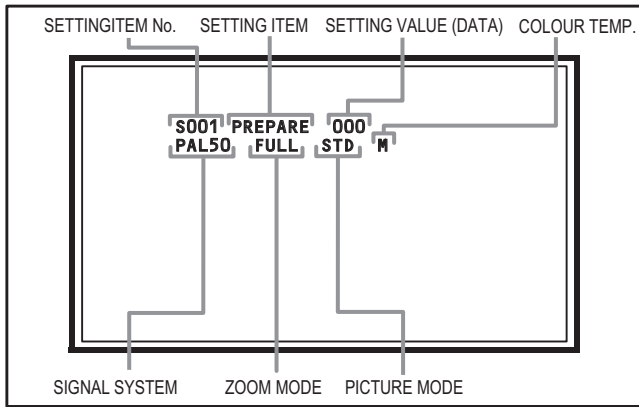
- Before entering the SERVICE MODE, confirm that the setting of VCR/TV/DVD switch is at the "TV" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the [1] to [3] key is pressed in the SERVICE MODE SCREEN, the other relevant screen may be displayed.
This is not used in the adjustment procedure. Press the [MENU] key to return to the SERVICE MODE SCREEN.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the [MENU] key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

- PAL50 : PAL50Hz (Composite / S-video)
- PAL60 : PAL60Hz (Composite / S-video)
- SECAM : SECAM
- NTSC3 : NTSC3.58
- NTSC4 : NTSC4.43
- 525I : 525i (Component)
- 525P : 525p
- 625I : 625i (Component)
- 625P : 625p
- 1125I5 : 1125i 50Hz
- 1125I6 : 1125i 60Hz
- PCVGA : PC (VGA)

(2) ZOOM MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

- FULL : FULL
- PANO : PANORAMIC
- 1609 : 16:9 ZOOM
- 1609S : 16:9 ZOOM SUBTITLE
- 1409 : 14:9 ZOOM
- REGU : REGULAR

MULTI SCREEN

- FRZ : Freeze
- M2 : 2-pictures multi
- M12 : 12-pictures multi

(3) PICTURE MODE

- STD : STANDARD
- BRI : BRIGHT
- SOFT : SOFT

(4) COLOUR TEMP.

- H : WARM
- M : NORMAL
- L : COOL

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 to S039	Video sytetem setting
T001 to T010	Audio sytetem setting
P001 to P010	Panel control sytetem setting
D001 to D187	Drive sytetem setting
Z001 to Z010	Main cpu system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "INITIAL SETTING VALUES IN THE SERVICE MODE".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- [FUNCTION ▲ / ▼] key.
- For scrolling up / down the setting items.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

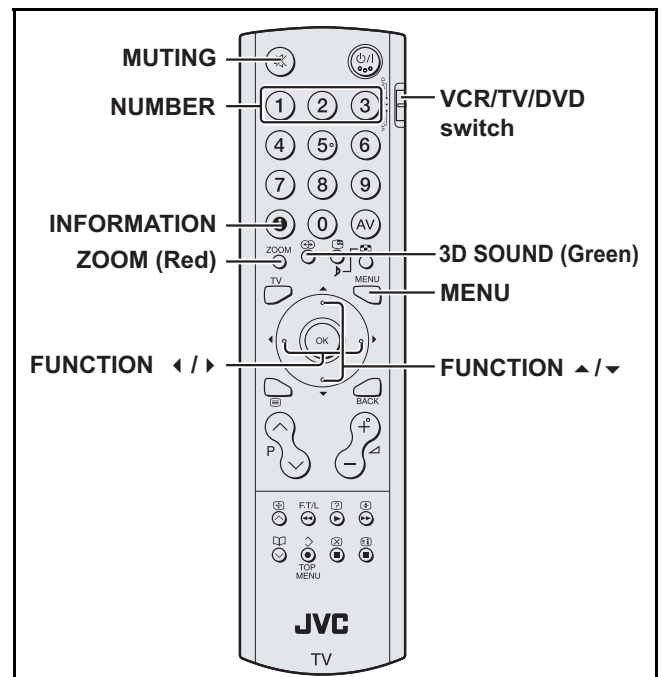
CHANGE OF SETTING VALUE (DATA)

- [FUNCTION ◀ / ▶] key.
- For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

4.5.5 SERVICE MODE SELECT KEY LOCATION



4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
S001	PREPARE	0 to 31	0	0	0
S002	NTSC BL	0 to 15	0	0	0
S003	NTSC CNT	0 to 255	36	36	36
S004	NT CR OF	0 to 15	6	6	6
S005	NT CB OF	0 to 15	6	6	6
S006	525i BL	0 to 15	0	0	0
S007	525i CNT	0 to 255	36	36	36
S008	5i CB OF	0 to 15	0	0	0
S009	5i CR OF	0 to 15	0	0	0
S010	5i CR GN	0 to 15	6	6	6
S011	5i CB GN	0 to 15	6	6	6
S012	HD BL	0 to 63	57	57	57
S013	HD CB OF	0 to 63	58	58	58
S014	HD CR OF	0 to 63	60	60	60
S015	RT CONT	0 to 15	7	7	7
S016	RT CB OF	0 to 15	4	4	4
S017	RT CR OF	0 to 15	8	8	8
S018	RT CL GA	0 to 15	12	12	12
S019	PC CL MB	0 to 7	0	0	0
S020	PC CL LB	0 to 31	0	0	0
S021	PC CL MR	0 to 71	0	0	0
S022	PC CL LR	0 to 31	0	0	0
S023	(Not display)	0 to 255	0	0	0
S024	(Not display)	0 to 255	0	0	0
S025	(Not display)	0 to 255	0	0	0
S026	(Not display)	0 to 255	0	0	0
S027	(Not display)	0 to 255	0	0	0
S028	(Not display)	0 to 255	0	0	0
S029	(Not display)	0 to 255	0	0	0
S030	R DRIVE	0 to 255	147	147	147
S031	G DRIVE	0 to 255	133	133	133
S032	B DRIVE	0 to 255	110	110	110
S033	(Not display)	0 to 255	0	0	0
S034	(Not display)	0 to 255	0	0	0
S035	(Not display)	0 to 255	0	0	0
S036	(Not display)	0 to 255	0	0	0
S037	(Not display)	0 to 255	0	0	0
S038	(Not display)	0 to 255	0	0	0
S039	ILA COM	0 to 1	0	0	0

4.6.2 AUDIO SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
T001	IN LEVEL	0 to 255	0	0	0
T002	LOW SEP	0 to 255	0	0	0
T003	HIGH SEP	0 to 255	0	0	0
T004	AFC	0 to 255	4	4	4
T005	(Not display)	0 to 255	0	0	0
T006	ATT V ON	0 to 1	0	0	0
T007	ATT U ON	0 to 1	0	0	0
T008	ATT C ON	0 to 1	0	0	0
T009	(Not display)	0 to 255	0	0	0
T010	(Not display)	0 to 255	0	0	0

4.6.3 PANEL CONTROL SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
P001	TM HOR H	00 to FF	00	00	00
P002	TM HOR L	00 to FF	00	00	00
P003	TM MIN	00 to FF	00	00	00
P004	TEMP0	0 to 255	0	0	0
P005	(Not display)	0 to 255	0	0	0
P006	(Not display)	0 to 255	0	0	0
P007	(Not display)	0 to 255	0	0	0
P008	(Not display)	0 to 255	0	0	0
P009	(Not display)	0 to 255	0	0	0
P010	(Not display)	0 to 255	0	0	0

4.6.4 DRIVE SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D001	SLV GN	00 to 3F	18	18	18
D002	SLVH GN	00 to 3F	13	13	13
D003	SLH GN	00 to 3F	1A	1A	1A
D004	SLV Pf	00 to 03	01	01	01
D005	SLH Pf H	00 to 01	00	00	00
D006	SLH Pf L	00 to 03	02	02	02
D007	SL EGCON	00 to 3F	00	00	00
D008	SL EGONF	00 to 01	01	01	01
D009	SL CRGON	00 to 3F	04	04	04
D010	SL CRGON	00 to 01	01	01	01
D011	SL ON OF	00 to 01	01	01	01
D012	SV GN	00 to 3F	29	29	29
D013	SVH GN	00 to 3F	1F	1F	1F
D014	SH GN	00 to 3F	2E	2E	2E
D015	SV Pf	00 to 03	01	01	01
D016	SV PfH	00 to 01	01	01	01

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D017	SV Pfl	00 to 03	02	02	02
D018	SYL CON	00 to 3F	30	30	30
D019	SYL CONF	00 to 01	01	01	01
D020	SYH CON	00 to 3F	00	00	00
D021	SYH CONF	00 to 01	01	01	01
D022	SC CON	00 to 3F	1A	1A	1A
D023	SC CNONF	00 to 01	01	01	01
D024	SPM BLC	00 to 3F	04	04	04
D025	SPM BLCO	00 to 01	01	01	01
D026	SLIM	00 to 3F	28	28	28
D027	SLIMONF	00 to 01	01	01	01
D028	SCRG	00 to 3F	10	10	10
D029	SRGONF	00 to 01	01	01	01
D030	S ONF	00 to 01	01	01	01
D031	pb GN	00 to 3F	15	15	15
D032	pb PflH	00 to 01	01	01	01
D033	pb Pfl	00 to 03	00	00	00
D034	pb CRG	00 to 3F	04	04	04
D035	pb CRGON	00 to 01	01	01	01
D036	pb ONF	00 to 01	01	01	01
D037	pr GN	00 to 3F	15	15	15
D038	pr PflH	00 to 01	01	01	01
D039	pr Pfl	00 to 03	00	00	00
D040	pr CRG	00 to 3F	05	05	05
D041	pr CRGON	00 to 01	01	01	01
D042	pr ONF	00 to 01	01	01	01
D043	ENH ONF	00 to 01	01	01	01
D044	(Not display)	00 to FF	00	00	00
D045	(Not display)	00 to FF	00	00	00
D046	(Not display)	00 to FF	00	00	00
D047	(Not display)	00 to FF	00	00	00
D048	(Not display)	00 to FF	00	00	00
D049	(Not display)	00 to FF	00	00	00
D050	(Not display)	00 to FF	00	00	00
D051	(Not display)	00 to FF	00	00	00
D052	(Not display)	00 to FF	00	00	00
D053	(Not display)	00 to FF	00	00	00
D054	(Not display)	00 to FF	00	00	00
D055	(Not display)	00 to FF	00	00	00
D056	(Not display)	00 to FF	00	00	00
D057	(Not display)	00 to FF	00	00	00
D058	(Not display)	00 to FF	00	00	00
D059	(Not display)	00 to FF	00	00	00
D060	(Not display)	00 to FF	00	00	00
D061	(Not display)	00 to FF	00	00	00
D062	(Not display)	00 to FF	00	00	00
D063	(Not display)	00 to FF	00	00	00
D064	(Not display)	00 to FF	00	00	00
D065	(Not display)	00 to FF	00	00	00

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D066	(Not display)	00 to FF	00	00	00
D067	(Not display)	00 to FF	00	00	00
D068	(Not display)	00 to FF	00	00	00
D069	(Not display)	00 to FF	00	00	00
D070	(Not display)	00 to FF	00	00	00
D071	(Not display)	00 to FF	00	00	00
D072	(Not display)	00 to FF	00	00	00
D073	(Not display)	00 to FF	00	00	00
D074	(Not display)	00 to FF	00	00	00
D075	(Not display)	00 to FF	00	00	00
D076	(Not display)	00 to FF	00	00	00
D077	(Not display)	00 to FF	00	00	00
D078	(Not display)	00 to FF	00	00	00
D079	(Not display)	00 to FF	00	00	00
D080	(Not display)	00 to FF	00	00	00
D081	(Not display)	00 to FF	00	00	00
D082	(Not display)	00 to FF	00	00	00
D083	(Not display)	00 to FF	00	00	00
D084	(Not display)	00 to FF	00	00	00
D085	(Not display)	00 to FF	00	00	00
D086	(Not display)	00 to FF	00	00	00
D087	(Not display)	00 to FF	00	00	00
D088	(Not display)	00 to FF	00	00	00
D089	(Not display)	00 to FF	00	00	00
D090	(Not display)	00 to FF	00	00	00
D091	(Not display)	00 to FF	00	00	00
D092	(Not display)	00 to FF	00	00	00
D093	(Not display)	00 to FF	00	00	00
D094	(Not display)	00 to FF	00	00	00
D095	(Not display)	00 to FF	00	00	00
D096	(Not display)	00 to FF	00	00	00
D097	(Not display)	00 to FF	00	00	00
D098	(Not display)	00 to FF	00	00	00
D099	(Not display)	00 to FF	00	00	00
D100	(Not display)	00 to FF	00	00	00
D101	(Not display)	00 to FF	00	00	00
D102	(Not display)	00 to FF	00	00	00
D103	(Not display)	00 to FF	00	00	00
D104	(Not display)	00 to FF	00	00	00
D105	(Not display)	00 to FF	00	00	00
D106	(Not display)	00 to FF	00	00	00
D107	(Not display)	00 to FF	00	00	00
D108	(Not display)	00 to FF	00	00	00
D109	(Not display)	00 to FF	00	00	00
D110	(Not display)	00 to FF	00	00	00
D111	(Not display)	00 to FF	00	00	00
D112	(Not display)	00 to FF	00	00	00
D113	(Not display)	00 to FF	00	00	00
D114	(Not display)	00 to FF	00	00	00

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D115	(Not display)	00 to FF	00	00	00
D116	(Not display)	00 to FF	00	00	00
D117	(Not display)	00 to FF	00	00	00
D118	(Not display)	00 to FF	00	00	00
D119	(Not display)	00 to FF	00	00	00
D120	(Not display)	00 to FF	00	00	00
D121	(Not display)	00 to FF	00	00	00
D122	(Not display)	00 to FF	00	00	00
D123	(Not display)	00 to FF	00	00	00
D124	(Not display)	00 to FF	00	00	00
D125	(Not display)	00 to FF	00	00	00
D126	(Not display)	00 to FF	00	00	00
D127	(Not display)	00 to FF	00	00	00
D128	(Not display)	00 to FF	00	00	00
D129	(Not display)	00 to FF	00	00	00
D130	(Not display)	00 to FF	00	00	00
D131	(Not display)	00 to FF	00	00	00
D132	(Not display)	00 to FF	00	00	00
D133	(Not display)	00 to FF	00	00	00
D134	(Not display)	00 to FF	00	00	00
D135	(Not display)	00 to FF	00	00	00
D136	(Not display)	00 to FF	00	00	00
D137	(Not display)	00 to FF	00	00	00
D138	(Not display)	00 to FF	00	00	00
D139	(Not display)	00 to FF	00	00	00
D140	(Not display)	00 to FF	00	00	00
D141	(Not display)	00 to FF	00	00	00
D142	(Not display)	00 to FF	00	00	00
D143	(Not display)	00 to FF	00	00	00
D144	(Not display)	00 to FF	00	00	00
D145	(Not display)	00 to FF	00	00	00
D146	(Not display)	00 to FF	00	00	00
D147	(Not display)	00 to FF	00	00	00
D148	(Not display)	00 to FF	00	00	00
D149	(Not display)	00 to FF	00	00	00
D150	(Not display)	00 to FF	00	00	00
D151	(Not display)	00 to FF	00	00	00
D152	(Not display)	00 to FF	00	00	00
D153	(Not display)	00 to FF	00	00	00
D154	(Not display)	00 to FF	00	00	00
D155	(Not display)	00 to FF	00	00	00
D156	(Not display)	00 to FF	00	00	00
D157	(Not display)	00 to FF	00	00	00
D158	(Not display)	00 to FF	00	00	00
D159	(Not display)	00 to FF	00	00	00
D160	(Not display)	00 to FF	00	00	00
D161	(Not display)	00 to FF	00	00	00
D162	(Not display)	00 to FF	00	00	00
D163	(Not display)	00 to FF	00	00	00

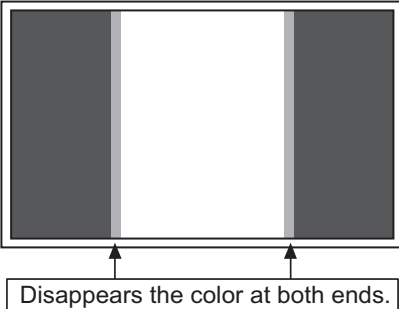
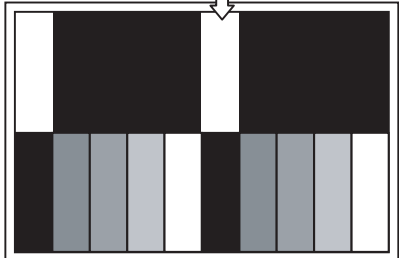
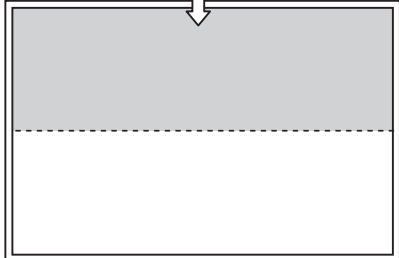
Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
D164	(Not display)	00 to FF	00	00	00
D165	(Not display)	00 to FF	00	00	00
D166	(Not display)	00 to FF	00	00	00
D167	(Not display)	00 to FF	00	00	00
D168	(Not display)	00 to FF	00	00	00
D169	(Not display)	00 to FF	00	00	00
D170	(Not display)	00 to FF	00	00	00
D171	(Not display)	00 to FF	00	00	00
D172	(Not display)	00 to FF	00	00	00
D173	(Not display)	00 to FF	00	00	00
D174	(Not display)	00 to FF	00	00	00
D175	(Not display)	00 to FF	00	00	00
D176	(Not display)	00 to FF	00	00	00
D177	(Not display)	00 to FF	00	00	00
D178	(Not display)	00 to FF	00	00	00
D179	(Not display)	00 to FF	00	00	00
D180	(Not display)	00 to FF	00	00	00
D181	(Not display)	00 to FF	00	00	00
D182	(Not display)	00 to FF	00	00	00
D183	(Not display)	00 to FF	00	00	00
D184	(Not display)	00 to FF	00	00	00
D185	(Not display)	00 to FF	00	00	00
D186	(Not display)	00 to FF	00	00	00
D187	(Not display)	00 to FF	00	00	00

4.6.5 MAIN CPU SYTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value		
			PAL	SECAM	NTSC
Z001	(Not display)	00 to FF	00	00	00
Z002	(Not display)	00 to FF	00	00	00
Z003	(Not display)	00 to FF	00	00	00
Z004	(Not display)	00 to FF	00	00	00
Z005	(Not display)	00 to FF	00	00	00
Z006	(Not display)	00 to FF	00	00	00
Z007	(Not display)	00 to FF	00	00	00
Z008	(Not display)	00 to FF	00	00	00
Z009	(Not display)	00 to FF	00	00	00
Z010	(Not display)	00 to FF	00	00	00

4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
625i A-D OFFSET	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Receive a 625i component ramp pattern signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "128". (7) Set < S001 >(adjustment setting mode change) to set "8" and it change to the 525i A-D offset adjustment setting mode. (8) Set < S008 > (525i Cb offset) and < S09 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the centre of the screen. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
	Signal generator		S008: 5i CB OF(625i cb offset) S009: 5i CR OF(625i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
				
1125i (50Hz) BRIGHTNESS	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Receive a 1125i (50Hz) gray scale pattern signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "128". (7) Set < S001 > (adjustment setting mode change) to set the values "12" and it change to the 1125i black level adjustment setting mode. (8) Set < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
	Signal generator		S012: HD BL(1125i brightness) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
Set the 0% black part to be brightest. 				
1125i (50Hz) A-D OFFSET	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Receive a 1125i (50Hz) 30% all white pattern signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "128". (7) Set < S001 > (adjustment setting mode change) to set "13" and it change to the 1125i A-D offset adjustment setting mode. (8) Set < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Set < S014 > (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set < S001 > to set "000" and it change to the normal mode. (11) Press the [MUTING] key to memoirize the set value.
	Signal generator		S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
Minimize the red and blue noises in the upper half of the screen. 				

Item	Measuring instrument	Test point	Adjustment part	Description
SUB SCREEN A-D OFFSET	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Set "PICTURE MODE" to STANDARD. (2) Set "ZOOM" to FULL. (3) Set "COLOUR TEMP." to NORMAL. (4) Set "MULTI SCREEN" to 2 pictures. (5) Receive a PAL 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal). (6) Select "1.ADJUST" from the SERVICE MODE. (7) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to "128". (8) Set < S001 > (adjustment setting mode change) to set "17" and it change to the sub screen A-D offset adjustment setting mode. (9) Set < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen. If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode. (10) Set < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen. (11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9) (12) Set < S001 > to set "000" and it change to the normal mode. (13) Press the [MUTING] key to memoirize the set value.
	Signal generator	Set the 0% block part to be brightest. 	S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a PAL 75% all white signal. (2) Set "PICTURE MODE" to STANDARD. (3) Set "ZOOM" to FULL. (4) Set "COLOUR TEMP." to NORMAL. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. NOTE: Set one or more of < S030 >, < S031 >, and < S032 > to "80". (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the [MUTING] key to memoirize the set value.

SECTION 5 TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I²C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the SERVICE MODE, confirm that the setting of VCR/TV/ DVD switch is at the "TV" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

- (1) Press the [INFORMATION] key and [MUTING] key simultaneously, then enter the SERVICE MODE.
- (2) Press the [2] key SELF CHECK MODE.
- (3) Press the [RED (ZOOM)] key to enter Page 2 of the SELF CHECK MODE.

*Use the [GREEN (3D SOUND)] key to toggle between Page 1 and Page 2.

NOTE:

When a number key other than the [1] to [3] key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.

This is not used in the adjustment procedure. Press the [MENU] key to return to the MAIN MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be ignored as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I²C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

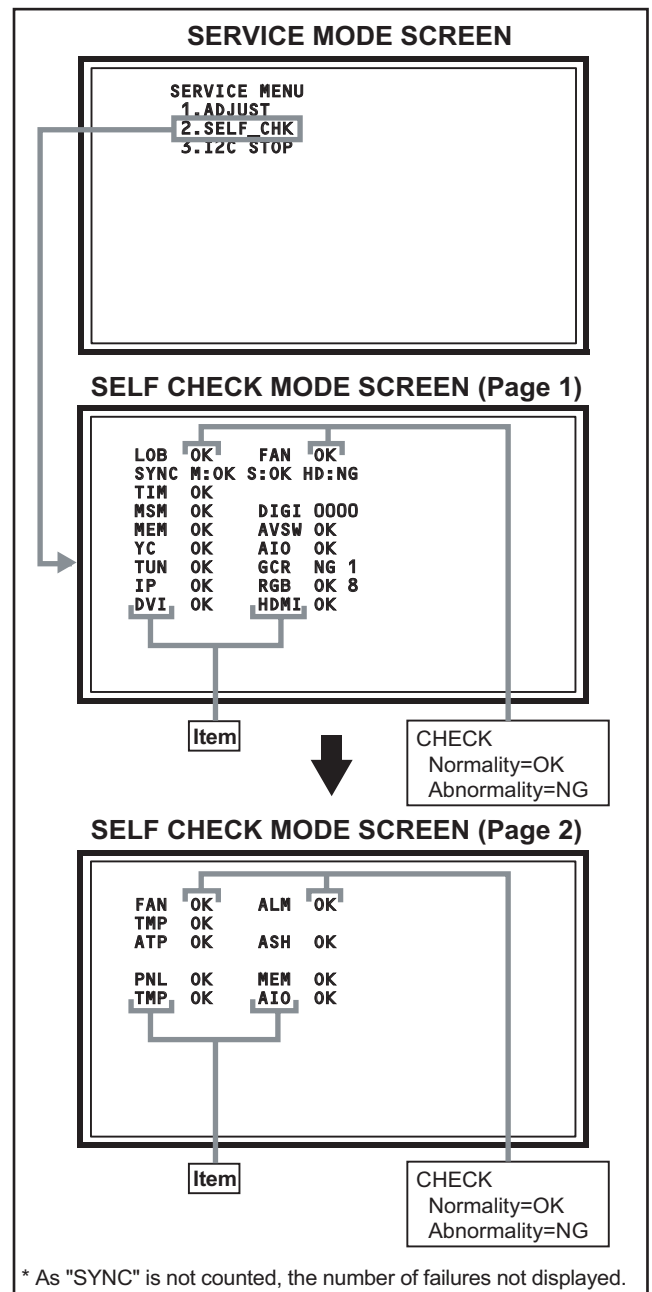


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirmation of operation of the low bias (2.5V / 3.3V / 5V / 9V) protection circuit. Q9822 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Abnormal rise of temperature in audio circuit	FAN	Confirmation of the temperature of audio circuit.	SDA	Detection starts 3 seconds after the power is turned on. If error continues between 3 seconds the power is turned off.
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Not used.	---	---
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I ² C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. IC301, IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separator	YC	Not used.	---	---
Multi sound processor	AIO	Not used.	---	---
RF tuner	TUN	Confirmation of reply of ACK signal which uses I ² C communication. TU3001 [RECEIVER PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I ² C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
RGB process	RGB	Confirmation of reply of ACK signal which uses I ² C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Not used.	---	---

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	---
Abnormal of operation of PANEL	ALM	Not used.	---	---
Abnormal rise of temperature in PANEL	TMP	Not used.	---	---
Abnormal rise of temperature in audio circuit	ATP	Not used.	---	---
Short circuit detection of audio circuit	ASH	Not used.	---	---
Panel communication	PNL	Not used.	---	---
Sub memory	MEM	Not used.	---	---
Temp. sensor	TMP	Not used.	---	---
Audio control	AIO	Confirmation of reply of ACK signal which uses I ² C communication. IC6521 [ANALOG SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

TYPE of error	POWER LED flash cycle
Low bias line short protection	Low luminance blue turnig on and off at 1 second intervals.
Abnormal rise of temperature in audio circuit	High luminance blue turnig on and off at 0.1 second intervals.

< Explanation of operation >

If error is detected, the power is turned off.

Shortly after a power is turned off, POWER LED will be blinked.

Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.



Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA204)



Printed in Japan
WPC

PARTS LIST

Preliminary

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT	3-2
EXPLODED VIEW PARTS LIST	3-3
EXPLODED VIEW	3-4

PRINTED WIRING BOARD PARTS LIST	3-6
ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1021A-U2)	3-6
CONNECTOR P.W. BOARD ASS'Y (SFL-4021A-U2)	3-11
FRONT CONTROL P.W. BOARD ASS'Y (SFL-7021A-U2)	3-11
FRONT SENSOR P.W. BOARD ASS'Y (SFL-8021A-U2)	3-11
POWER P.W. BOARD ASS'Y (SFL-9008A-U2)	3-11
REGULATOR P.W. BOARD ASS'Y (SFL-9108A-U2)	3-13
DIGITAL SIGNAL P.W. BOARD ASS'Y (LCA10428-61A)(SFL-0D203A)	3-13
RECEIVER P.W. BOARD ASS'Y (SFL0F201A-U2)	3-19

REMOTE CONTROL UNIT PARTS LIST (RM-C1811H-1C)	3-21
PACKING PARTS LIST	3-21
PACKING	3-22

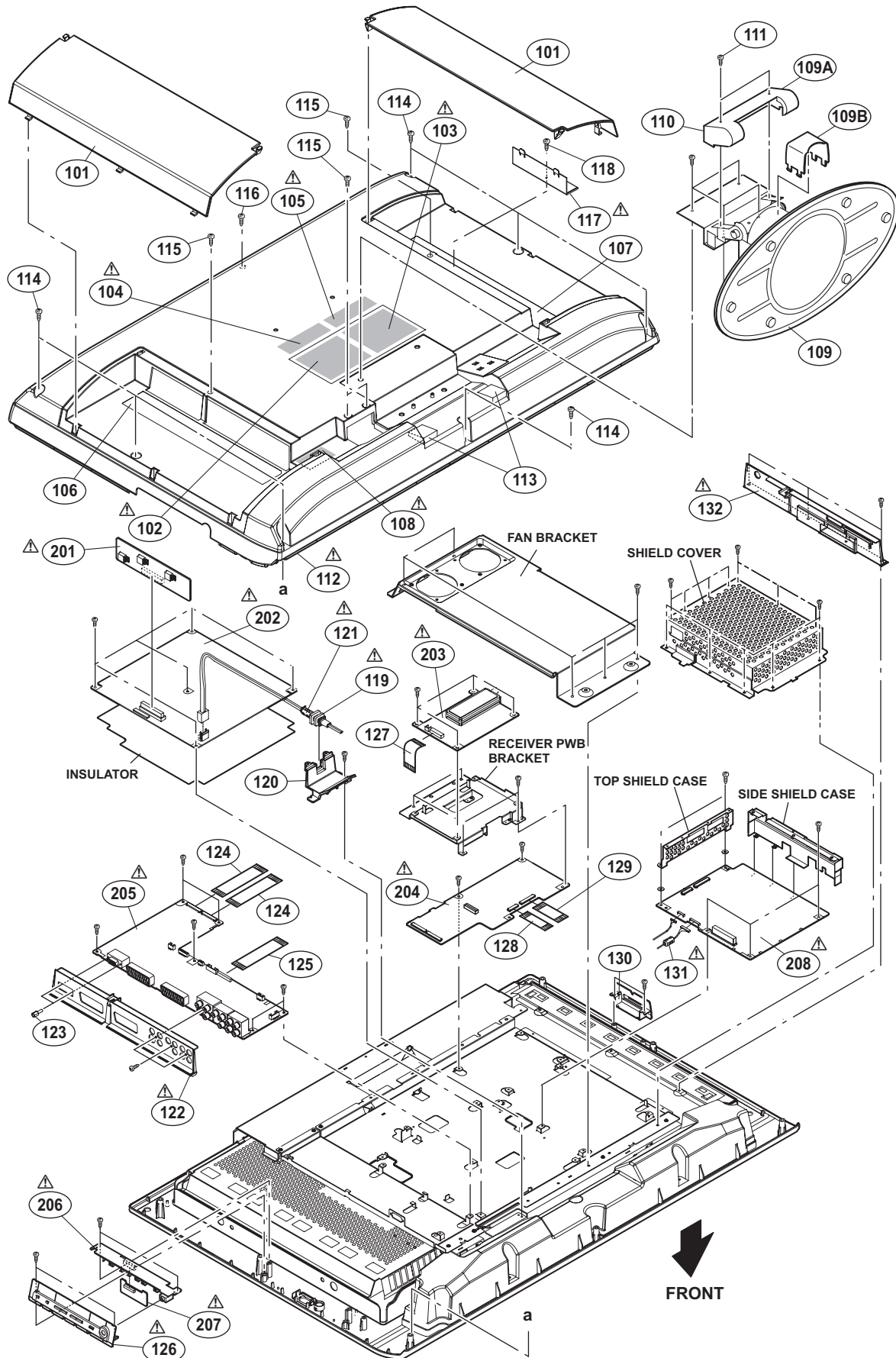
USING P.W. BOARD & REMOTE CONTROL UNIT

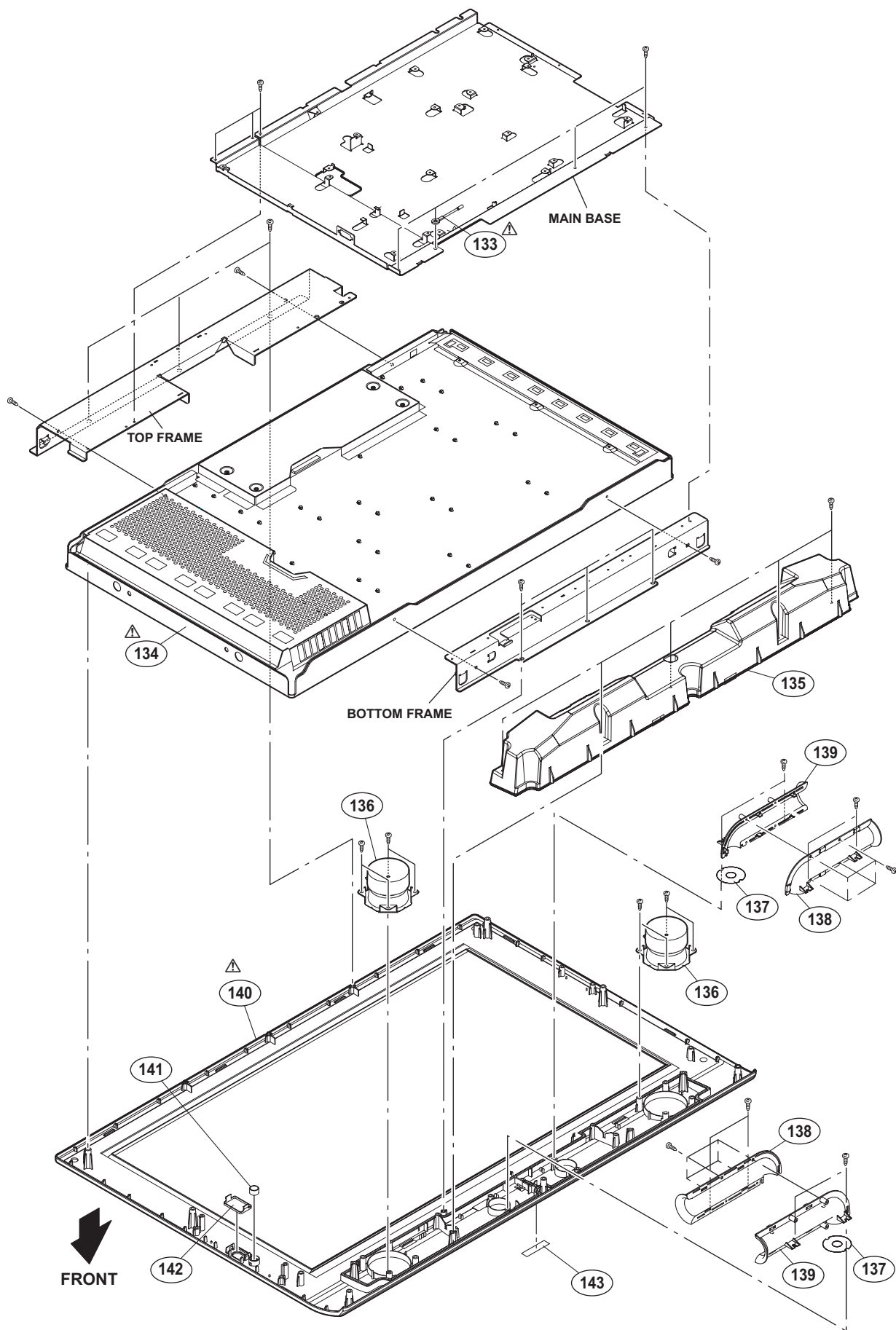
P.W.B ASS'Y	LT-32C50BU	LT-32C50SU
ANALOG SIGNAL P.W.B	SFL-1021A-U2	←
CONNECTOR P.W.B	SFL-4021A-U2	←
FRONT CONTROL P.W.B	SFL-7021A-U2	←
FRONT SENSOR P.W.B	SFL-8021A-U2	←
POWER P.W.B	SFL-9008A-U2	←
REGULATOR P.W.B	SFL-9108A-U2	←
DIGITAL SIGNAL P.W.B	LCA10428-61A(SFL-0D203A)	←
RECEIVER P.W.B	SFL0F201A-U2	←
REMOTE CONTROL UNIT	RM-C1811H-1C	←

EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
101	LC12040-001A-U	JACK COVER	(x2)	
△ 102	LC21300-022A-U	RATING LABEL		
△ 103	LC21301-029A-U	RATING LABEL		LT-32C50BU
△ 103	LC21301-031A-U	RATING LABEL		LT-32C50SU
△ 104	LC42090-002A-H	LICENSE LABEL		
△ 105	LC30789-002B-U	WARNING LABEL		
106	LC32748-003A-H	OPERATION SHEET		
107	LC32749-003A-H	OPERATION SHEET		
△ 108	LC41999-004A-H	CAUTION LABEL		
109	AEM1156-001A-U	STAND ASSY	Inc.No.109A/109B	
109A	AEM2310-001A-U	STAND COVER		
109B	AEM3459-001A-U	CORD COVER		
110	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
111	QYSPSPD3016ZA	SCREW	M3 x 16mm(x2)	
△ 112	LC12039-001A-U	REAR COVER		
113	LC32864-001A-C	STICK SHEET	(x2)	
114	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x7)	
115	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x4)	
116	QYSPSPD3008MA	SCREW	M3 x 8mm	
△ 117	LC32760-001A-HK	SERVICE COVER		
118	QYSBSF3010MA	TAP SCREW	M3 x 10mm	
△ 119	QMPK300-170-JC	POWER CORD(EU)	1.7m BLACK	
△ 120	LC21348-001D-HK	POWER CORD HOLDER		
△ 121	QQR0491-001	FERRITE CORE		
△ 122	LC21596-003A-HK	TERMINAL BASE		
123	QNB0036-001	HEX SCREW	(x2)	
124	QUQ105-5009AE	FFC WIRE	50pin 9cm(x2)	
125	QUQ212-1906CH	FFC WIRE	19pin 6cm	
△ 126	LC32351-010A-OK	CONTROL KNOB ASSY		
127	QUQ105-4006AL	FFC WIRE	40pin 6cm	
128	QUQ105-3004AA	FFC WIRE	30pin 4cm	
129	QUQ105-5004AA	FFC WIRE	50pin 4cm	
△ 130	LC32698-002B-HK	SIDE BASE		
△ 131	QQR0490-001	NOISE FILTER		
△ 132	LC21597-003A-HK	TUNER BASE		
△ 133	QUB190-12FXHM	SIN TWIST WIRE		
△ 134	QLD0343-001	LCD PANEL UNIT		
135	LC11633-002A-U	SPEAKER BOX		
136	QAS0142-001	SPEAKER	SP01/SP02(x2)	
137	LC42001-001B	DUCT SHEET	(x2)	
138	LC21339-002A-U	DUCT BASE	(x2)	
139	LC21340-002A-U	DUCT COVER	(x2)	
△ 140	LC12036-001A-U	FRONT PANEL ASSY		LT-32C50BU
△ 140	LC12036-002A-U	FRONT PANEL ASSY		LT-32C50SU
141	LC32747-001C-HK	SENSOR WINDOW		LT-32C50BU
141	LC32747-002C-HK	SENSOR WINDOW		LT-32C50SU
142	LC41901-001C-HK	LED LENS		
143	LC41852-001A	JVC MARK ASSY		
△ 201	SFL-9108A-U2	REGULATOR PWB		
△ 202	SFL-9008A-U2	POWER PWB		
△ 203	SFL0F201A-U2	RECEIVER PWB		
△ 204	SFL-4021A-U2	CONNECTOR PWB		
△ 205	SFL-1021A-U2	ANALOG SIGNAL PWB		
△ 206	SFL-7021A-U2	FRONT CONTROL PWB		
△ 207	SFL-8021A-U2	FRONT SENSOR PWB		
△ 208	LCA10428-61A	DIGITAL SIGNAL PWB		

EXPLODED VIEW





PRINTED WIRING BOARD PARTS LIST

ANALOG SIGNAL P.W. BOARD ASS'Y (SFL-1021A-U2)

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
IC201	TA1370FG-X	IC			Q6672	2SC3928A/QR/-X	TRANSISTOR		
IC203	CD74HC4053PW-X	IC			Q6673	2SA1530A/QR/-X	TRANSISTOR		
IC301	AN15852A	IC			D541	MA8100/M/-X	Z DIODE		
IC501	CXA2069Q	IC			D551	MA8100/M/-X	Z DIODE		
IC502	MM1510XN-X	IC			D901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
IC503	MM1510XN-X	IC			D903	PTZ11B-X	Z DIODE		
IC504	MM1510XN-X	IC			D904	PTZ6.8B-X	Z DIODE		
IC711	CXA1875AM-X	IC			D2001	MA8100/M/-X	Z DIODE		
IC801	TB1274AF	IC			D2002	MA8100/M/-X	Z DIODE		
IC802	TC90A69AF-X	IC			D2003	MA8100/M/-X	Z DIODE		
IC902	TA48M033F-X	IC			D2004	MA8100/M/-X	Z DIODE		
IC6001	NJM2777M-X	IC			D2005	MA8100/M/-X	Z DIODE		
IC6201	PQ20WZ11-X	IC			D2101	MA8100/M/-X	Z DIODE		
IC6521	NJW1137M-W	IC			D2102	MA8100/M/-X	Z DIODE		
IC6551	RC4558D-X	IC			D2103	MA8100/M/-X	Z DIODE		
IC6552	RC4558D-X	IC			D2104	MA8100/M/-X	Z DIODE		
IC6621	LM393DR-X	IC			D2105	MA8100/M/-X	Z DIODE		
IC6661	TDA8925ST/N1	IC			D2106	MA8100/M/-X	Z DIODE		
Q301	2SC3837K/NP/-X	TRANSISTOR			D2107	MA8100/M/-X	Z DIODE		
Q302	2SC3837K/NP/-X	TRANSISTOR			D2201	MA8100/M/-X	Z DIODE		
Q303	2SC3837K/NP/-X	TRANSISTOR			D2202	MA8100/M/-X	Z DIODE		
Q307	2SA1530A/QR/-X	TRANSISTOR			D2203	MA8100/M/-X	Z DIODE		
Q402	2SK1374-X	MOS FET			D2204	MA8100/M/-X	Z DIODE		
Q403	2SK1374-X	MOS FET			D2205	MA8100/M/-X	Z DIODE		
Q404	2SK1374-X	MOS FET			D2206	MA8100/M/-X	Z DIODE		
Q405	2SK1374-X	MOS FET			D2207	MA8100/M/-X	Z DIODE		
Q507	2SA1530A/QR/-X	TRANSISTOR			D2301	MA8100/M/-X	Z DIODE		
Q508	2SA1530A/QR/-X	TRANSISTOR			D2302	MA8100/M/-X	Z DIODE		
Q509	2SA1530A/QR/-X	TRANSISTOR			D2303	MA8100/M/-X	Z DIODE		
Q511	UN2226-X	DIGI TRANSISTOR			D2304	MA8100/M/-X	Z DIODE		
Q512	2SA1530A/QR/-X	TRANSISTOR			D2305	MA8100/M/-X	Z DIODE		
Q513	UMX1N-W	PAIR TRANSISTOR			D2601	MA8100/M/-X	Z DIODE		
Q801	2SA1530A/QR/-X	TRANSISTOR			D2602	MA8100/M/-X	Z DIODE		
Q802	2SA1530A/QR/-X	TRANSISTOR			D2603	MA8100/M/-X	Z DIODE		
Q804	2SC3928A/QR/-X	TRANSISTOR			D2604	MA8100/M/-X	Z DIODE		
Q805	2SC3928A/QR/-X	TRANSISTOR			D2605	MA8100/M/-X	Z DIODE		
Q806	2SC3928A/QR/-X	TRANSISTOR			D2606	MA8100/M/-X	Z DIODE		
Q807	2SC3928A/QR/-X	TRANSISTOR			D6001	MA111-X	SI DIODE		
Q808	2SC3928A/QR/-X	TRANSISTOR			D6002	MA111-X	SI DIODE		
Q809	2SC3928A/QR/-X	TRANSISTOR			D6201	MA111-X	SI DIODE		
Q810	2SA1530A/QR/-X	TRANSISTOR			D6431	MA111-X	SI DIODE		
Q851	2SA1530A/QR/-X	TRANSISTOR			D6432	MA111-X	SI DIODE		
Q853	2SC3928A/QR/-X	TRANSISTOR			D6433	MA111-X	SI DIODE		
Q854	2SC3928A/QR/-X	TRANSISTOR			D6501	MA111-X	SI DIODE		
Q855	2SA1530A/QR/-X	TRANSISTOR			D6502	MA111-X	SI DIODE		
Q858	2SC3928A/QR/-X	TRANSISTOR			D6503	MA111-X	SI DIODE		
Q859	2SA1530A/QR/-X	TRANSISTOR			D6504	MA111-X	SI DIODE		
Q862	2SC3928A/QR/-X	TRANSISTOR			D6601	MA8062/M/-X	Z DIODE		
Q863	2SC3928A/QR/-X	TRANSISTOR			D6663	MA8033-X	Z DIODE		
Q901	BA09FP-X	IC			D6664	MA111-X	SI DIODE		
Q902	2SC3074/OY/-X	TRANSISTOR			D6671	MA8200-X	Z DIODE		
Q2051	UN2226-X	DIGI TRANSISTOR			D6672	MA8200-X	Z DIODE		
Q2052	UN2226-X	DIGI TRANSISTOR			D6673	MA8200-X	Z DIODE		
Q2053	UN2110-X	DIGI TRANSISTOR			D6674	MA8200-X	Z DIODE		
Q2151	UN2226-X	DIGI TRANSISTOR			D6681	MA111-X	SI DIODE		
Q2152	UN2226-X	DIGI TRANSISTOR			D6682	MA111-X	SI DIODE		
Q2153	UN2110-X	DIGI TRANSISTOR			D6683	MA111-X	SI DIODE		
Q2171	2SC3928A/QR/-X	TRANSISTOR			DB201	MA8033-X	Z DIODE		
Q2172	2SC3928A/QR/-X	TRANSISTOR			C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q2173	UN2112-X	DIGI TRANSISTOR			C202	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	
Q2451	UN2226-X	DIGI TRANSISTOR			C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q2452	UN2226-X	DIGI TRANSISTOR			C204	NEH71AM-107X	E CAPACITOR	100uF 10V M	
Q2453	UN2110-X	DIGI TRANSISTOR			C205	NEH71HM-105X	E CAPACITOR	1uF 50V M	
Q6301	2SC3928A/QR/-X	TRANSISTOR			C206	NCB11CK-105X	C CAPACITOR	1uF 16V K	
Q6302	2SC3928A/QR/-X	TRANSISTOR			C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q6421	2SC3928A/QR/-X	TRANSISTOR			C208	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q6431	2SA1530A/QR/-X	TRANSISTOR			C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q6521	2SC3928A/QR/-X	TRANSISTOR			C302	NEH71CM-476X	E CAPACITOR	47uF 16V M	
Q6522	2SC3928A/QR/-X	TRANSISTOR			C303	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
Q6523	2SA1530A/QR/-X	TRANSISTOR			C304	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
Q6531	2SC3928A/QR/-X	TRANSISTOR			C305	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
Q6532	2SC3928A/QR/-X	TRANSISTOR			C306	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
Q6533	2SC3928A/QR/-X	TRANSISTOR			C307	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
Q6534	2SA1530A/QR/-X	TRANSISTOR			C308	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
Q6538	2SC3928A/QR/-X	TRANSISTOR			C309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q6539	2SC3928A/QR/-X	TRANSISTOR			C310	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q6661	UN2112-X	DIGI TRANSISTOR			C313	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q6662	2SC3928A/QR/-X	TRANSISTOR			C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q6663	UN2212-X	DIGI TRANSISTOR			C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C316	NCB11CK-105X	C CAPACITOR	1uF 16V K	
					C317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C318	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M	C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C321	NEH71CM-106X	E CAPACITOR	10uF 16V M	C853	NEH71CM-476X	E CAPACITOR	47uF 16V M
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C323	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C324	NCB11CK-105X	C CAPACITOR	1uF 16V K	C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C325	NCB11CK-105X	C CAPACITOR	1uF 16V K	C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C326	NCB11CK-105X	C CAPACITOR	1uF 16V K	C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C327	NCB11CK-105X	C CAPACITOR	1uF 16V K	C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C328	NCB11CK-105X	C CAPACITOR	1uF 16V K	C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C329	NCB11CK-105X	C CAPACITOR	1uF 16V K	C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J
C330	NCB11CK-105X	C CAPACITOR	1uF 16V K	C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C341	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C344	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C345	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C349	NEH71HM-106X	E CAPACITOR	10uF 50V M	C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C403	NEH71CM-476X	E CAPACITOR	47uF 16V M	C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C404	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C405	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C406	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C501	NEH71CM-476X	E CAPACITOR	47uF 16V M	C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C502	NEH71CM-476X	E CAPACITOR	47uF 16V M	C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C503	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C504	NEH71HM-106X	E CAPACITOR	10uF 50V M	C880	NEH71AM-107X	E CAPACITOR	100uF 10V M
C505	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	C881	NEH71AM-107X	E CAPACITOR	100uF 10V M
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C515	NCB11CK-105X	C CAPACITOR	1uF 16V K	C884	NEH71AM-107X	E CAPACITOR	100uF 10V M
C516	NEH71CM-106X	E CAPACITOR	10uF 16V M	C885	NEH71AM-107X	E CAPACITOR	100uF 10V M
C518	NEH71AM-107X	E CAPACITOR	100uF 10V M	C886	NEH71HM-106X	E CAPACITOR	10uF 50V M
C519	NEH71CM-106X	E CAPACITOR	10uF 16V M	C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C520	NCB11CK-105X	C CAPACITOR	1uF 16V K	C888	NEH71AM-107X	E CAPACITOR	100uF 10V M
C521	NEH71CM-106X	E CAPACITOR	10uF 16V M	C889	NEH71HM-106X	E CAPACITOR	10uF 50V M
C522	NEH71AM-107X	E CAPACITOR	100uF 10V M	C890	NEH71HM-106X	E CAPACITOR	10uF 50V M
C523	NEH71CM-106X	E CAPACITOR	10uF 16V M	C891	NEH71CM-476X	E CAPACITOR	47uF 16V M
C524	NCB11CK-105X	C CAPACITOR	1uF 16V K	C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C525	NEH71CM-106X	E CAPACITOR	10uF 16V M	C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C526	NEH71AM-107X	E CAPACITOR	100uF 10V M	C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C527	NEH71CM-106X	E CAPACITOR	10uF 16V M	C904	NCB11AK-106X	C CAPACITOR	10uF 10V K
C561	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C905	NEH91CM-476X	E CAPACITOR	47uF 16V M
C562	NCB31CK-105X	C CAPACITOR	1uF 16V K	C906	NEH91CM-476X	E CAPACITOR	47uF 16V M
C591	NCB11CK-105X	C CAPACITOR	1uF 16V K	C912	NEH71CM-476X	E CAPACITOR	47uF 16V M
C592	NCB11CK-105X	C CAPACITOR	1uF 16V K	C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M
C593	NCB11CK-105X	C CAPACITOR	1uF 16V K	C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C594	NEH71CM-106X	E CAPACITOR	10uF 16V M	C915	NEH71CM-476X	E CAPACITOR	47uF 16V M
C595	NCB11CK-105X	C CAPACITOR	1uF 16V K	C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C711	NEH71CM-106X	E CAPACITOR	10uF 16V M	C2001	NCB11AK-106X	C CAPACITOR	10uF 10V K
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2008	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2009	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2010	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2011	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2053	NCB31CK-105X	C CAPACITOR	1uF 16V K
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C2101	NCB11AK-106X	C CAPACITOR	10uF 10V K
C810	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C811	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C812	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2107	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	C2108	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2109	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C815	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C816	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2151	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C817	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2152	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C818	NEH71HM-106X	E CAPACITOR	10uF 50V M	C2153	NCB31CK-105X	C CAPACITOR	1uF 16V K
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C2201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C2202	NCB11AK-106X	C CAPACITOR	10uF 10V K
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2203	NCB11AK-106X	C CAPACITOR	10uF 10V K
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C2204	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	C2205	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2206	NCB31CK-105X	C CAPACITOR	1uF 16V K
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C2207	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	C2208	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	C2301	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C829	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2302	NCB31CK-105X	C CAPACITOR	1uF 16V K
C830	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2303	NCB31CK-105X	C CAPACITOR	1uF 16V K
C831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2307	NCB31CK-105X	C CAPACITOR	1uF 16V K
C833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C834	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C2309	NCB31CK-105X	C CAPACITOR	1uF 16V K
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2310	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C2311	NCB11CK-225X	C CAPACITOR	2.2uF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C2401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2402	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C2451	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C2453	NCB31CK-105X	C CAPACITOR	1uF 16V K	C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2601	NCB31CK-105X	C CAPACITOR	1uF 16V K	C6668	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C2602	NCB31CK-105X	C CAPACITOR	1uF 16V K	C6669	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J
C2603	NCB31CK-105X	C CAPACITOR	1uF 16V K	C6670	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J
C6001	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6002	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6003	NEH71AM-107X	E CAPACITOR	100uF 10V M	C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6004	NEH71AM-107X	E CAPACITOR	100uF 10V M	C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6005	NEH71HM-105X	E CAPACITOR	1uF 50V M	C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6006	NEH71HM-105X	E CAPACITOR	1uF 50V M	C6676	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6007	QETN1CM-477Z	E CAPACITOR	470uF 16V M	C6677	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6008	NEH71HM-106X	E CAPACITOR	10uF 50V M	C6678	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J
C6009	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	C6679	QFVE1HJ-474	MF CAPACITOR	0.47uF 50V J
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6202	NEH71EM-336X	E CAPACITOR	33uF 25V M	C6681	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C6203	NEH71EM-336X	E CAPACITOR	33uF 25V M	C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6301	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6302	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6688	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6431	NEH71CM-476X	E CAPACITOR	47uF 16V M	C6691	NEH71HM-106X	E CAPACITOR	10uF 50V M
C6505	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	C6692	NEH71CM-106X	E CAPACITOR	10uF 16V M
C6510	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	C6693	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6521	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6526	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6527	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6528	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R212	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C6534	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6535	NEH71HM-105X	E CAPACITOR	1uF 50V M	R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6536	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6537	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6538	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6540	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6541	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6542	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6543	NEH71CM-476X	E CAPACITOR	47uF 16V M	R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6544	NEH71HM-105X	E CAPACITOR	1uF 50V M	R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6551	NEH71HM-105X	E CAPACITOR	1uF 50V M	R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C6552	NEH71HM-105X	E CAPACITOR	1uF 50V M	R372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6553	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C6554	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C6555	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6556	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C6557	NEH71CM-476X	E CAPACITOR	47uF 16V M	R385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C6559	NEH71CM-476X	E CAPACITOR	47uF 16V M	R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6561	NEH71HM-105X	E CAPACITOR	1uF 50V M	R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C6562	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	R395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C6563	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6564	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6585	NEH71CM-106X	E CAPACITOR	10uF 16V M	R409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6586	NEH71CM-106X	E CAPACITOR	10uF 16V M	R410	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6605	NEH71CM-476X	E CAPACITOR	47uF 16V M	R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R504	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6623	NEH71EM-226X	E CAPACITOR	22uF 25V M	R508	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R509	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R511	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6628	NEH71EM-226X	E CAPACITOR	22uF 25V M	R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6630	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R823	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R824	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R825	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R826	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R827	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R828	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R829	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R830	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R532	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R831	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R533	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R832	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R833	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R535	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R834	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R536	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R835	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R537	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R836	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R538	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R837	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R838	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R540	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R542	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R543	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R544	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R545	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R552	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R553	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R554	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R556	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R561	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R563	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R564	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R565	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R566	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R567	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R568	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R573	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R574	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R575	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R576	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R577	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R578	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R579	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R580	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R581	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R582	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R587	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R591	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R592	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R907	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R593	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R594	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R909	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R595	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R597	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2004	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2006	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2051	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2052	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2053	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2055	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2056	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R2057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R2058	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R2105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R2106	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	R2151	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2152	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R2153	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R810	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2154	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R811	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2155	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R812	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2156	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R813	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2157	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R814	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R2159	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R2160	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R2171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R2172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R820	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R821	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R2201	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R822	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R2202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R2203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R2204	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R6560	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R2205	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R2303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2304	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R2305	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R2401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6578	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R2402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R2451	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6580	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R2452	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2453	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R2454	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2455	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2456	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R2457	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2458	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R2601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R2603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R2604	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6624	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J
R2605	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6006	QRL039J-330	OMF RESISTOR	33Ω 3W J	R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6666	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6667	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6668	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R6306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6669	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R6307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6675	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6424	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6425	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R6681	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6432	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R6682	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6515	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6683	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6516	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R6518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6519	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	RB802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L201	NQL034K-101X	P COIL	100uH K
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L807	NQR0413-003X	FERRITE BEADS	
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L808	NQR0413-003X	FERRITE BEADS	
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L809	NQR0413-003X	FERRITE BEADS	
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L851	NQL092K-6R8X	P COIL	6.8uH K
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L852	NQL092K-6R8X	P COIL	6.8uH K
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L853	NQL092K-6R8X	P COIL	6.8uH K
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L854	NQL092M-270X	P COIL	27uH M
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L855	NQL024J-560X	P COIL	56uH K
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L861	NQL914K-220X	COIL	22uH K
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L862	NQL914K-101X	COIL	100uH K
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L863	NQL914K-101X	COIL	100uH K
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L864	NQL914K-101X	COIL	100uH K
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L865	NQL914K-220X	COIL	22uH K
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L866	NQL914K-220X	COIL	22uH K
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L867	NQL914K-220X	COIL	22uH K
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L902	NQL52EM-220X	COIL	22uH M
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L903	NQL52EM-220X	COIL	22uH M
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L904	NQL52EM-220X	COIL	22uH M
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L6661	QQL28AK-560	COIL	56uH K
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6662	QQL28AK-560	COIL	56uH K
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	CN0011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
R6552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	CN0012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	J2001	QNZ0463-001	21P CONNECTOR	EXT-1
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	J2002	QNZ0463-001	21P CONNECTOR	EXT-2
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	J2003	QNZ0726-001	AV JACK	EXT-3
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	J2004	QNN0650-001	PIN JACK	EXT-4
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J				
R6558	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J				

△Ref No.	Part No.	Part Name	Description Local
J2005	QNN0649-001	PIN JACK	AUDIO IN/OUT RGB IN
J2007	QNZ0561-001	D CONNECTOR	
K6601	NQR0413-002X	FERRITE BEADS	
K6602	NQR0413-002X	FERRITE BEADS	
K6661	NQR0413-002X	FERRITE BEADS	
K6662	NQR0413-002X	FERRITE BEADS	
K6663	NQR0413-002X	FERRITE BEADS	
K6664	NQR0413-002X	FERRITE BEADS	470Ω
TH6661	NAD0035-471X	P THERMISTOR	
X201	CSB503F30-T2	C RESONATOR	16.200MHz
X801	NAX0621-001X	CRYSTAL	

CONNECTOR P.W. BOARD ASS'Y (SFL-4021A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC4201	SN74AHC1G08V-X	IC	
D4201	MA8033-X	Z DIODE	
C4202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4210	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C4211	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
R4202	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R4203	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
CN0001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN0002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
CN000T	QGF0540C1-40X	CONNECTOR	FFC/FPC (1-40)
CN1011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
CN1012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)

FRONT CONTROL P.W. BOARD ASS'Y (SFL-7021A-U2)

△Ref No.	Part No.	Part Name	Description Local
Q7701	UN2212-X	DIGI TRANSISTOR	
Q7705	UN2110-X	DIGI TRANSISTOR	
D7011	MA8062/M/-X	Z DIODE	
D7702	HLMPNS30J00-T16	LED	POWER
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7711	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R7714	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
L7001	NQL092K-5R6X	COIL	5.6uH K
L7002	NQL092K-5R6X	COIL	5.6uH K
CN0008	QGB2542K1-08	CONNECTOR	B-B (1-8)
J7001	QMS3004-C01	H.P.JACK	HEADPHONE
K7001	NQR0389-003X	FERRITE BEADS	
S7701	QSW0797-001	TACT SWITCH	CH-
S7702	QSW0797-001	TACT SWITCH	CH+
S7703	QSW0797-001	TACT SWITCH	MENU
S7704	QSW0797-001	TACT SWITCH	TV/AV
S7705	QSW0797-001	TACT SWITCH	VOL+
S7706	QSW0797-001	TACT SWITCH	VOL-
S7707	QSW0797-001	TACT SWITCH	POWER

FRONT SENSOR P.W. BOARD ASS'Y (SFL-8021A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC8752	GP1UM281QK	IR DETECT UNIT	38kHz
C8752	NEH71CM-476X	E CAPACITOR	47uF 16V M
R8757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8759	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
CN1008	QGB2542J1-08	CONNECTOR	B-B (1-8)

POWER P.W. BOARD ASS'Y (SFL-9008A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC9141	BA05FP-X	IC	
△IC9211	FA5500AN-W	IC	
IC9501	F9222L-F219	IC	
△IC9541	UTCTL431-T	IC	
IC9602	M62320FP-X	IC	
IC9603	SI-3025B-F1	IC	
IC9901	MP1580HS-X	IC	
Q9021	UN2211-X	TRANSISTOR	
Q9211	2SK3522-01-F1	POWER MOS FET	
Q9212	2SD601A/QR/-X	TRANSISTOR	
Q9213	IMD3A-W	DIGI TRANSISTOR	
Q9215	2SD601A/QR/-X	TRANSISTOR	
Q9216	UN2212-X	DIGI TRANSISTOR	
Q9251	UN2213-X	DIGI TRANSISTOR	
Q9252	UN2212-X	DIGI TRANSISTOR	
Q9501	2SD601A/QR/-X	TRANSISTOR	
Q9502	2SK2071-01S-W	POWER MOS FET	
Q9503	2SD601A/QR/-X	TRANSISTOR	
Q9504	2SK2018-01S-W	POWER MOS FET	
Q9506	UN2213-X	DIGI TRANSISTOR	
Q9541	UN2212-X	DIGI TRANSISTOR	
Q9602	2SB1188/QR/-W	TRANSISTOR	
Q9603	UN2212-X	DIGI TRANSISTOR	
Q9901	2SD601A/QR/-X	TRANSISTOR	
D9021	MA111-X	SI DIODE	
D9111	S1WB/A/60-4101	BRIDGE DIODE	
△D9201	D25XB60	BRIDGE DIODE	
D9202	MA111-X	SI DIODE	
D9211	YG972S6R	SI DIODE	
D9213	MA111-X	SI DIODE	
D9214	MA111-X	SI DIODE	
D9215	D1FL20U-X	SI DIODE	
D9251	MA3100/M/-X	Z DIODE	
D9252	MA111-X	SI DIODE	
D9253	MA111-X	SI DIODE	
D9254	D1FL20U-X	SI DIODE	
D9501	MA8220/M/-X	Z DIODE	
D9502	MA8110/H/-X	Z DIODE	
D9503	D1FL20U-X	SI DIODE	
D9504	D1FL20U-X	SI DIODE	
D9505	MA8220/M/-X	Z DIODE	
D9507	D1FL20U-X	SI DIODE	
D9508	MA8056/M/-X	Z DIODE	
D9509	SD883-04-X	SB DIODE	
D9510	RD27E/B2/-T5	Z DIODE	
D9511	RD27E/B2/-T5	Z DIODE	
D9512	D1FS4-X	SB DIODE	
D9542	FMB-2306	SB DIODE	
D9543	FMB-2306	SB DIODE	
D9544	FME-220A	SB DIODE	
D9545	FME-220A	SB DIODE	
D9546	FMB-2306	SB DIODE	
D9605	D1FS4-X	SB DIODE	
D9901	EC30HA03L-X	SB DIODE	
D9902	MA111-X	SI DIODE	
D9905	D1FL20U-X	SI DIODE	
D9906	PTZ11B-X	Z DIODE	
D9907	RD16E/B/-T5	Z DIODE	
D9908	RD16E/B/-T5	Z DIODE	
D9909	D1FL20U-X	SI DIODE	
D9910	MA111-X	SI DIODE	
△C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K
△C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K
△C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M
△C9013	QCZ9079-102	C CAPACITOR	1000pF AC250V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
△C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M	R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M	R9229	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
△C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M	R9233	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M	R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	R9238	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	R9239	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J
△C9197	QCZ9079-102	C CAPACITOR	1000pF AC250V M	R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
△C9198	QCZ9079-102	C CAPACITOR	1000pF AC250V M	R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
△C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
△C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
△C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
△C9205	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9257	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
C9211	QFZ0222-105	MM CAPACITOR	1uF 450V K	R9501	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9502	QRL039J-332	OMF RESISTOR	3.3kΩ 3W J
C9213	NCB11CK-105X	C CAPACITOR	1uF 16V K	R9503	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R9504	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	R9505	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9216	QEZ0650-227	E CAPACITOR	220uF 450V M	R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9219	QCZ0340-331	C CAPACITOR	330pF 2kV K	R9508	QRT029J-R56	MF RESISTOR	0.56Ω 2W J
C9221	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9509	QRM059J-R39	MP RESISTOR	0.39Ω 5W J
C9251	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	R9511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C9502	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9513	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C9503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9504	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R9515	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9505	NCB11EK-474X	C CAPACITOR	0.47uF 25V K	△R9516	QRZ9009-2R2	FUSI RESISTOR	2.2Ω 1/2W J
C9506	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R9517	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J
C9507	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R9518	QKR126J-271X	UNF C RESISTOR	270Ω 1/2W J
C9508	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	R9519	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J
C9509	QECR1VM-227Z	E CAPACITOR	220uF 35V M	R9520	NZZ000000001381	ENG PARTS	
C9510	QEHR2AM-107Z	E CAPACITOR	100uF 100V M	R9521	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C9511	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	R9525	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C9541	QECQ1EM-188	E CAPACITOR	1800uF 25V M	R9526	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9544	QECQ1EM-188	E CAPACITOR	1800uF 25V M	R9529	QRL039J-561	OMF RESISTOR	560Ω 3W J
C9545	QECQ1EM-188	E CAPACITOR	1800uF 25V M	R9541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9546	QECR1EM-687Z	E CAPACITOR	680uF 25V M	R9542	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9547	QECR1EM-687Z	E CAPACITOR	680uF 25V M	R9543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9550	QEHQ1EM-228	E CAPACITOR	2200uF 25V M	R9544	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
C9551	NCB11EK-474X	C CAPACITOR	0.47uF 25V K	R9545	NRSA63D-221X	MG RESISTOR	220Ω 1/16W D
C9552	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	R9546	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9606	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	R9548	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
C9608	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	R9549	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9551	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J
C9610	NDC31HJ-680X	C CAPACITOR	68pF 50V J	R9552	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J
C9611	NDC31HJ-680X	C CAPACITOR	68pF 50V J	R9602	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C9902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9903	QECR1CM-477Z	E CAPACITOR	470uF 16V M	R9616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9904	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R9617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9906	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9907	NCB31EK-273X	C CAPACITOR	0.027uF 25V K	R9620	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
C9908	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	R9621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9909	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	R9622	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9910	QECR1VM-227Z	E CAPACITOR	220uF 35V M	R9623	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
C9911	QKR126J-151X	UNF C RESISTOR	150Ω 1/2W J	R9624	NRSA63D-331X	MG RESISTOR	330Ω 1/16W D
C9912	QEHR1CM-477Z	E CAPACITOR	470uF 16V M	R9625	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
C9913	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R9629	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9914	QTN1CM-106Z	E CAPACITOR	10uF 50V M	R9631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9915	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	R9632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9917	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9635	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
△R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	R9636	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	R9638	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9141	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	R9640	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9142	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J	R9643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
△R9199	QRZ0107-685Z	C RESISTOR	6.8MΩ 1/2W K	R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
△R9202	QRZ9055-8R2	FUSI RESISTOR	8.2Ω 2W K	R9902	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D
R9203	MTZJ.8C-T2	Z DIODE		R9903	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	R9904	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	R9905	QKR126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	R9906	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9214	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R9907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R9215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R9910	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R9911	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9218	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	R9913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	R9916	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9220	QRM059J-R27	MP RESISTOR	0.27Ω 5W J	R9923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9221	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	L9141	NQL52EN-4R7X	COIL	4.7uH N
R9222	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	L9201	QQR1399-001	CHOKO COIL	
R9223	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	L9202	QQR1513-001	CHOKO COIL	
R9224	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	L9541	NQL71EM-150X	COIL	15uH M
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	L9902	NQL80CL-100X	COIL	10uH L
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	L9903	NQL80CL-100X	COIL	10uH L
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	L9904	NQL63EM-470X	COIL	47uH M

△Ref No.	Part No.	Part Name	Description	Local
△T9121	QAL0425-001	POWER TRANSF		
△T9501	QQS0319-001	SW TRANSF		
△T9502	QQS0319-001	SW TRANSF		
CN0006	QGB2501J1-13	CONNECTOR	B-B (1-13)	
CN000H	QGF1201C2-19	CONNECTOR	FFC/FPC (1-19)	
CN00E1	CE41507-001P	LV CONNECTOR		
△CP9121	QMFZ052-2R0-E	FUSE	2A AC250V	
△CP9211	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
△CP9501	QMFZ034-5R0Z-J1	FUSE	5A 125V	
△CP9502	QMFZ034-5R0Z-J1	FUSE	5A 125V	
△F9001	QMF51D2-6R3-J1	FUSE	6.3A AC250V	
△H9211	LC32819-001A	HEAT SINK/AL-F/		
H9501	LC32819-001A	HEAT SINK/AL-F/		
H9541	LC32802-001A	HEAT SINK/AL-F/		
H9601	CM42862-A0A	HEAT SINK ASSY		
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	NQR0413-002X	FERRITE BEADS		
K9502	NQR0413-002X	FERRITE BEADS		
K9503	NQR0413-002X	FERRITE BEADS		
K9504	NQR0413-002X	FERRITE BEADS		
K9505	NQR0413-002X	FERRITE BEADS		
K9508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9541	NQR0413-003X	FERRITE BEADS		
△LF9001	QQR1514-001	LINE FILTER		
△LF9002	QQR1467-001	LINE FILTER		
△LF9003	QQR1514-001	LINE FILTER		
△PC9541	PS2581AL1/QW/	IC(PHOT COUPLE		
△PC9542	PS2581AL1/QW/	IC(PHOT COUPLE		
△RY9021	QSK0119-001	RELAY		
△RY9201	QSK0117-001	RELAY		
△VA9001	QAF0060-621	VARISTOR	620V	

REGULATOR P.W. BOARD ASS'Y (SFL-9108A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC9802	MP1580HS-X	IC		
IC9803	MP1583DN-X	IC		
Q9802	2SD601A/QR/-X	TRANSISTOR		
Q9803	2SD601A/QR/-X	TRANSISTOR		
D9803	SD883-04-X	SB DIODE		
D9804	MA111-X	SI DIODE		
D9805	MA3051/M/-X	Z DIODE		
D9806	SD883-04-X	SB DIODE		
D9807	PTZ6.8B-X	Z DIODE		
D9808	MA111-X	SI DIODE		
D9810	PTZ6.8B-X	Z DIODE		
D9813	MA111-X	SI DIODE		
C9805	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9809	NEH91HM-105X	E CAPACITOR	1uF 50V M	
C9810	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9812	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9813	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9814	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C9818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9819	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9821	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9822	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9823	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9824	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	
C9826	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
R9810	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9811	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9812	NRVA02D-473X	CMF RESISTOR	47kΩ 1/10W D	
R9813	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9814	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9815	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9816	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9817	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9818	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9819	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9820	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9821	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9822	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R9823	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9824	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9825	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local
R9826	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9827	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9828	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9830	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9831	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

L9804	NQL71EM-150X	COIL	15uH M	
L9806	NQL71EM-150X	COIL	15uH M	
L9807	NQL80CL-100X	COIL	10uH L	
CN1006	QGB2501K2-13	CONNECTOR	B-B (1-13)	

DIGITAL SIGNAL P.W. BOARD ASS'Y (LCA10428-61A)(SFL-0D203A)

△Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC		
IC1002	MM1572FN-X	IC		
IC1502	NJM2235V-X	IC		
IC3001	JCC5055	IC		
IC3403	S-80928CLNB-W	IC		
IC3501	K4D263238F-UC50	IC		
IC3502	K4D263238F-UC50	IC		
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC		
IC4003	AT29LV01-26C50U	IC(MICRO C ROM)	(SERVICE)	
IC4004	AT24C25632C50UD	IC	(SERVICE)	
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KLC	IC(MCU)		
IC7002	AT24C256-32C50U	IC	(SERVICE)	
IC7401	S-80828CLNB-W	IC		
IC7501	SDA6000-B12	IC		
IC7502	S-80828CNNB-W	IC		
IC7503	K4S641632H-UC75	IC		
IC7504	MBV160T90PT	IC(MICRO C ROM)		
IC7505	PQ2L3252MS-X	IC		
IC7506	CD74HC4053PW-X	IC		
IC7602	AT24C32-32C50U	IC	(SERVICE)	
IC9001	MP1580HS-X	IC		
IC9101	MP1580HS-X	IC		
IC9201	MP1580HS-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SA1530A/QR/-X	TRANSISTOR		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
Q6502	2SC3928A/QR/-X	TRANSISTOR		C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7201	2SA1530A/QR/-X	TRANSISTOR		C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7202	2SC3928A/QR/-X	TRANSISTOR		C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7203	2SC3928A/QR/-X	TRANSISTOR		C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7204	2SC3928A/QR/-X	TRANSISTOR		C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7205	2SC3928A/QR/-X	TRANSISTOR		C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7206	UN2213-X	DIGI TRANSISTOR		C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7207	DTA144EKA-X	DIGI TRANSISTOR		C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7501	2SA1162/YG/-X	TRANSISTOR		C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q7508	DTC114EKA-X	DIGI TRANSISTOR		C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C1034	NDC31HJ-390X	C CAPACITOR	39pF 50V J
D1001	EC30HA03L-X	SB DIODE		C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J
D1002	EC30HA03L-X	SB DIODE		C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D7001	MA111-X	SI DIODE		C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7003	MA111-X	SI DIODE		C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7005	MA8082/M/-X	Z DIODE		C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7006	MA8082/M/-X	Z DIODE		C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
D7007	MA8082/M/-X	Z DIODE		C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D7008	MA8082/M/-X	Z DIODE		C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7009	MA8082/M/-X	Z DIODE		C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D7010	MA111-X	SI DIODE		C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7201	MA111-X	SI DIODE		C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7203	MA111-X	SI DIODE		C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K
D7210	RB501V-40-X	SB DIODE		C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D7501	MA111-X	SI DIODE		C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K
D7502	MA111-X	SI DIODE		C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K
D9001	EC30HA03L-X	SB DIODE		C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J
D9003	PTZ3.9B-X	Z DIODE		C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
D9101	EC30HA03L-X	SB DIODE		C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
D9102	EC30HA03L-X	SB DIODE		C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D9103	PTZ3.9B-X	Z DIODE		C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
D9104	MA111-X	SI DIODE		C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M
D9201	EC30HA03L-X	SB DIODE		C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J
D9203	PTZ3.9B-X	Z DIODE		C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J
D9204	MA111-X	SI DIODE		C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J
				C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J	C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J	C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1502	NCJ41EK-106X-J	C CAPACITOR	10mF 25V K
C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J	C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0402	QCS31HJ-390Z	C CAPACITOR	39pF 50V J	C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C6521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C6522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7201	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C7504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	C7507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	C7509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C7510	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C7515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7516	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7517	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C7518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7521	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7522	NEH71CM-106X	E CAPACITOR	10uF 16V M
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7523	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7524	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C7526	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	C7527	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7529	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7531	NEH71CM-476X	E CAPACITOR	47uF 16V M
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7534	NCB11AK-106X	C CAPACITOR	10uF 10V K
C4911	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7542	NEH70GM-227X	E CAPACITOR	220uF 4V M
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7543	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7544	NEH70JM-107X	E CAPACITOR	100uF 6.3V M
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7545	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7546	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7547	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7548	NEH70GM-227X	E CAPACITOR	220uF 4V M
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7550	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7552	NCB31AK-105X	C CAPACITOR	1uF 10V K
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7553	QCB31HK-471Z	C CAPACITOR	470pF 50V K
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9008	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9012	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K	R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M	R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
				R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1010	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1011	NQL093K-R10X	P COIL	0.1uH K
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R0138	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R0238	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R2010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R0338	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J

(No.YA204)3-17

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7209	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7040	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7510	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7511	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7514	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7515	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7060	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7518	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7061	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7063	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R7556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7557	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7559	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7560	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7561	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7566	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7567	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7588	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7079	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7590	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7599	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7692	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7708	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7719	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7720	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7144	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	R9109	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R7145	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R7146	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7151	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7152	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7202	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
R7203	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7501	NQL092K-4R7X	P COIL	4.7uH K
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7502	NQL092K-4R7X	P COIL	4.7uH K
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7503	NQL092K-4R7X	P COIL	4.7uH K
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7504	NQL092K-4R7X	P COIL	4.7uH K
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7505	NQL092K-4R7X	P COIL	4.7uH K
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7506	NQL914M-4R7X	COIL	4.7uH M
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7507	NQL092K-4R7X	P COIL	4.7uH K
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7508	NQL092K-4R7X	P COIL	4.7uH K
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7509	NQL092K-4R7X	P COIL	4.7uH K
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7510	NQL092K-4R7X	P COIL	4.7uH K
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7511	NQL092K-4R7X	P COIL	4.7uH K
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7512	NQL914M-4R7X	COIL	4.7uH M
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7513	NQL914M-4R7X	COIL	4.7uH M
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7514	NQL092K-4R7X	P COIL	4.7uH K
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L9001	NQL71EM-150X	COIL	15uH M
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L9101	NQL71EM-150X	COIL	15uH M
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L9201	NQL71EM-150X	COIL	15uH M
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	K1004	NQR0489-002X	FERRITE BEADS	
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	K7501	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	K7503	NQR0389-003X	FERRITE BEADS	
RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z
RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	LC0519	NQR0416-001X	EMI FILTER	240pF 16V M
RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	LC0524	NQR0415-005X	EMI FILTER	0.1uF 25V M
RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	LC0525	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%
RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	LC6501	NQR0479-001X	EMI FILTER	
RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	LC7501	NQR0313-007X	EMI FILTER	1000pF 50V M
RB2001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	LC7502	NQR0431-001X	EMI FILTER	0.22uF 50V Z
RB2002	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	SL7001	NAX0613-001X	C RESONATOR	
RB2003	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	X1001	NAX0642-001X	CRYSTAL	
L0101	NQL092K-2R2X	P COIL	2.2uH K	X3001	NAX0635-001X	CXO	
L0102	NQL092K-1R0X	P COIL	1uH K	X3003	NAX0668-001X	CXO	
L0201	NQL092K-2R2X	P COIL	2.2uH K	X4001	NAX0669-001X	C RESONATOR	
L0202	NQL092K-1R0X	P COIL	1uH K	X7501	NAX0618-001X	CRYSTAL	
L0301	NQL092K-2R2X	P COIL	2.2uH K				
L0302	NQL092K-1R0X	P COIL	1uH K				
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L1001	NQR0489-002X	FERRITE BEADS					
L1002	NQR0489-002X	FERRITE BEADS					
L1003	NQL092K-1R5X	P COIL	1.5uH K				
L1004	NQR0489-002X	FERRITE BEADS					
L1005	NQR0489-002X	FERRITE BEADS					
L1006	NQR0489-002X	FERRITE BEADS					
L1008	NQL79GM-220X	COIL	22uH M				
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L1011	NQL79GM-470X	COIL	47uH M				
L1101	NQL092K-6R8X	P COIL	6.8uH K				
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L1103	NQL092K-1R0X	P COIL	1uH K				
L1201	NQL092K-6R8X	P COIL	6.8uH K				
L1203	NQL092K-1R0X	P COIL	1uH K				
L1301	NQL092K-6R8X	P COIL	6.8uH K				
L1303	NQL092K-1R0X	P COIL	1uH K				
L1401	NQL092K-6R8X	P COIL	6.8uH K				
L1403	NQL092K-1R0X	P COIL	1uH K				
L1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
L3001	NQR0489-002X	FERRITE BEADS					
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L3501	NQR0413-003X	FERRITE BEADS					
L4001	NQR0413-003X	FERRITE BEADS					
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L6501	NQR0351-001X	FERRITE BEADS					
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				

RECEIVER P.W. BOARD ASS'Y (SFL0F201A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC3501	MSP3415GQGB8V3M	IC	
IC3503	HA17558AF-X	IC	
IC3504	BA80BC0FP-X	IC	
IC3505	NJU26901E2-W	IC	
IC3506	MC74VHC1GT125TX	IC	
IC3507	SN74LVC1G125V-X	IC	
IC3508	SN74LVC1G125V-X	IC	
IC3509	SN74LVC1G125V-X	IC	
IC3510	R1141Q251B-X	IC	
Q3001	2SC3928A/QR/-X	TRANSISTOR	
Q3502	2SC3928A/QR/-X	TRANSISTOR	
Q3503	UN2213-X	DIGI TRANSISTOR	
C3001	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C3002	NEH71HM-106X	E CAPACITOR	10uF 50V M
C3003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3004	NEX60JM-227X	E CAPACITOR	220uF 6.3V M
C3005	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C3007	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3009	NEH71HM-106X	E CAPACITOR	10uF 50V M
C3010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3011	NEH71HM-106X	E CAPACITOR	10uF 50V M
C3012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3014	NEH71HM-106X	E CAPACITOR	10uF 50V M
C3015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3501	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C3504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R3572	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3511	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R3573	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R3574	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3513	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	R3575	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3514	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	R3576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R3577	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3516	NEH71AM-107X	E CAPACITOR	100uF 10V M	R3578	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C3517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R3579	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C3518	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R3580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C3519	NCB31CK-105X	C CAPACITOR	1uF 16V K	R3581	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C3520	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R3582	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3521	NCB31CK-105X	C CAPACITOR	1uF 16V K	R3583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3522	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R3584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3523	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R3585	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3524	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	L3001	NQL79GM-220X	COIL	22uH M
C3525	NEH71CM-106X	E CAPACITOR	10uF 16V M	L3002	NQL79GM-100X	COIL	10uH M
C3526	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	L3003	NQL79GM-220X	COIL	22uH M
C3527	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	L3503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C3528	NEH71AM-107X	E CAPACITOR	100uF 10V M	L3504	NQL79GM-4R7X	COIL	4.7uH M
C3529	NEH71CM-106X	E CAPACITOR	10uF 16V M	L3506	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C3530	NCB11AK-106X	C CAPACITOR	10uF 10V K	L3507	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	L3508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C3532	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	L3509	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C3533	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	K3501	NQR0389-003X	FERRITE BEADS	
C3534	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	K3502	NQR0389-003X	FERRITE BEADS	
C3535	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	LC3501	NQR0431-001X	EMI FILTER	0.22uF 50V Z
C3536	NCB11AK-106X	C CAPACITOR	10uF 10V K	TU3001	QAU0387-001	TUNER	
C3537	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	X3501	QAX0773-001Z	CRYSTAL	18.432000MHz
C3544	NCB31AK-105X	C CAPACITOR	1uF 10V K				
C3546	NCB31AK-105X	C CAPACITOR	1uF 10V K				
C3551	NCB31HK-222X	C CAPACITOR	2200pF 50V K				
C3552	NCB31HK-222X	C CAPACITOR	2200pF 50V K				
C3553	NCB31HK-822X	C CAPACITOR	8200pF 50V K				
C3554	NCB31HK-822X	C CAPACITOR	8200pF 50V K				
C3555	NCB31HK-223X	C CAPACITOR	0.022uF 50V K				
C3556	NCB31HK-223X	C CAPACITOR	0.022uF 50V K				
C3559	NEH71AM-107X	E CAPACITOR	100uF 10V M				
C3560	NEH71CM-476X	E CAPACITOR	47uF 16V M				
C3571	NCB11AK-106X	C CAPACITOR	10uF 10V K				
C3572	NCB11AK-106X	C CAPACITOR	10uF 10V K				
C3573	NCB31HK-103X	C CAPACITOR	0.01uF 50V K				
C3574	NCB11AK-106X	C CAPACITOR	10uF 10V K				
R3002	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J				
R3003	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J				
R3006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J				
R3010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R3011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R3014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R3508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R3518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R3546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R3551	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
R3552	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
R3553	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J				
R3554	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J				
R3555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J				
R3556	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J				
R3557	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R3558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R3559	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J				
R3560	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J				
R3561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J				
R3562	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J				
R3563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R3564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				

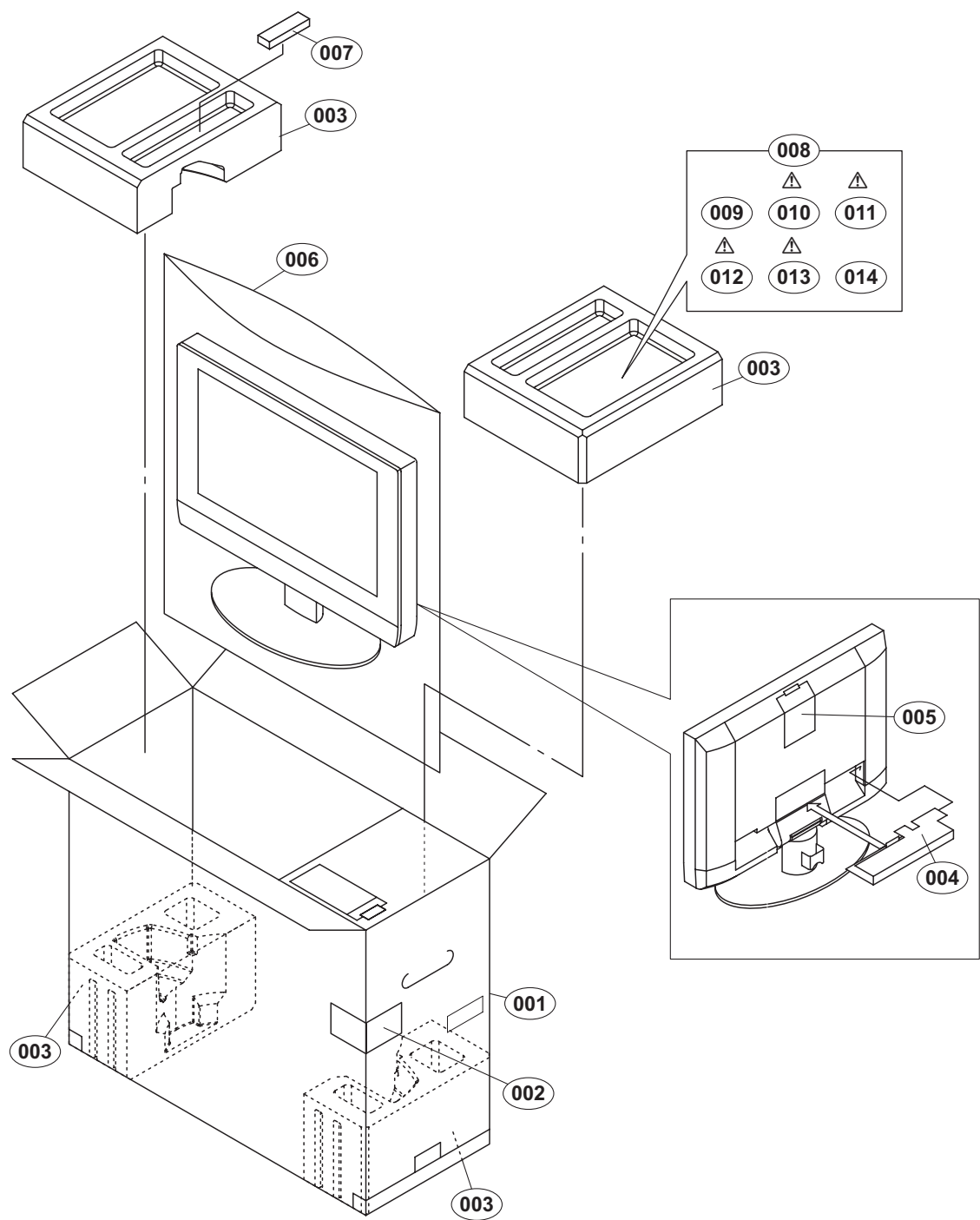
REMOTE CONTROL UNIT PARTS LIST (RM-C1811H-1C)

△ Ref No.	Part No.	Part Name	Description	Local
	2AA070311	BATTERY COVER		

PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
001	AEM1002-095-E	PACKING CASE		
002	AEM1066-026-E	EURO LABEL		
003	AEM1164-001A-U	CUSHION ASSY	4pcs in 1set	
004	AEM4166-001A-U	POWER CORD HOLDER		
005	LCT1504-001A-U	CAUTION SHEET		
006	AEM1067-001A-E	FOAM BAG		
007	RM-C1811H-1C	REMOCON UNIT	Inc. POLY BAG	
008	QPA02503505P	POLY BAG	25cm x 35cm	
009	BT-54023-1E	WARRANTY CARD		
△ 010	LCT1700-001A-U	INST BOOK	English/German/French/Dutch/Spanish/Italian/Portuguese	
△ 011	LCT1701-001A-U	INST BOOK	Norwegian/Finn/Danish/Swedish	
△ 012	LCT1702-001A-U	INST BOOK	Russian/Romanian/Czech/Polish/Hungarian/Bulgarian	
△ 013	LCT1769-001A-U	INST SHEET		
014	-----	BATTERY	R6P/AA(x2)	

PACKING



JVC

Preliminary

SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

LT-32C50BU, LT-32C50SU

CD-ROM No.SML200410

BASIC CHASSIS

FL

D.I.S.T.
Digital Image Scaling Technology

InteriArt

T-V LINK

BBE



LT-32C50BU, LT-32C50SU

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

●Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply




-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated





(5)Test point

-  : Test point
-  : Only test point display



(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

SEMICONDUCTOR SHAPES

2-2

WIRING DIAGRAM

2-3

BLOCK DIAGRAM

2-5

CIRCUIT DIAGRAMS

2-7

RECEIVER PWB CIRCUIT DIAGRAM

2-7

ANALOG SIGNAL PWB CIRCUIT DIAGRAM

2-9

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM

2-19

CONNECTOR PWB CIRCUIT DIAGRAM

2-41

FRONT CONTROL PWB CIRCUIT DIAGRAM

2-43

FRONT SENSOR PWB CIRCUIT DIAGRAM

2-45

POWER PWB CIRCUIT DIAGRAM

2-47

REGULATOR PWB CIRCUIT DIAGRAM

2-51

PATTERN DIAGRAMS

2-53

RECEIVER PWB PATTERN

2-53

REGULATOR PWB PATTERN

2-53

ANALOG SIGNAL PWB PATTERN

2-55

DIGITAL SIGNAL PWB PATTERN

2-59

CONNECTOR PWB PATTERN

2-63

POWER PWB PATTERN

2-65

FRONT CONTROL PWB PATTERN

2-69

FRONT SENSOR PWB PATTERN

2-70

VOLTAGE CHART

2-71

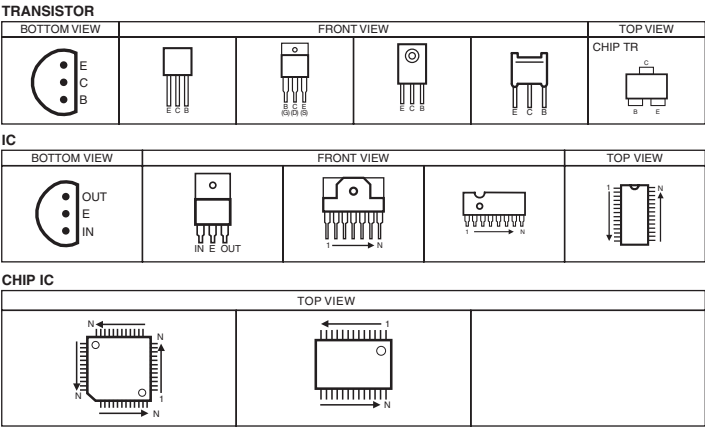
WAVEFORMS

2-74

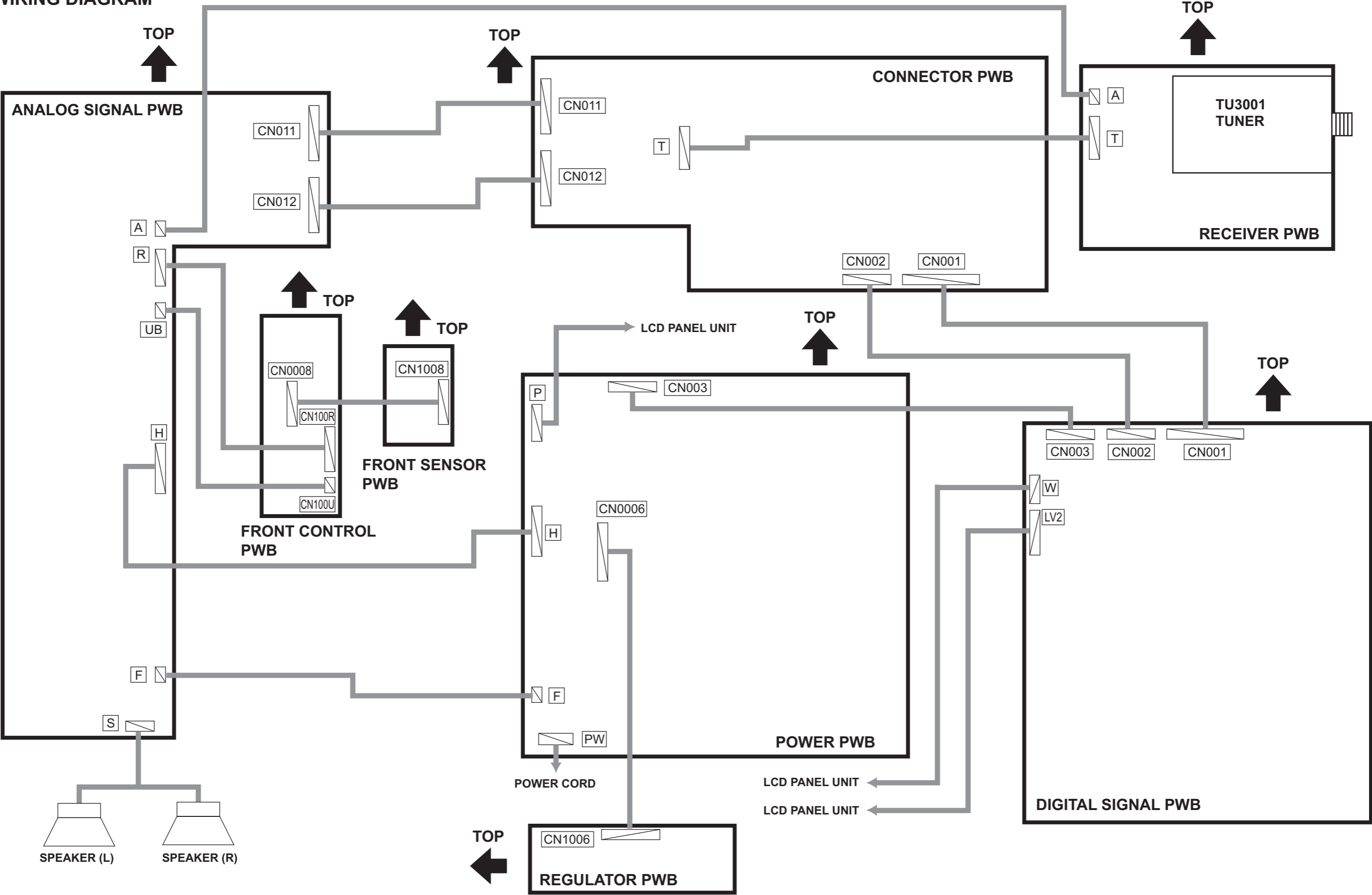
USING P.W. BOARD

P.W.B ASS'Y name	
ANALOG SIGNAL P.W.B	SFL-1023A-U2
CONNECTOR P.W.B	SFL-4021A-U2
FRONT CONTROL P.W.B	SFL-7021A-U2
FRONT SENSOR P.W.B	SFL-8021A-U2
POWER P.W.B	SFL-9007A-U2
REGULATOR P.W.B	SFL-9107A-U2
DIGITAL SIGNAL P.W.B	SFL-0D201A
RECEIVER P.W.B	SFL0F201A-U2

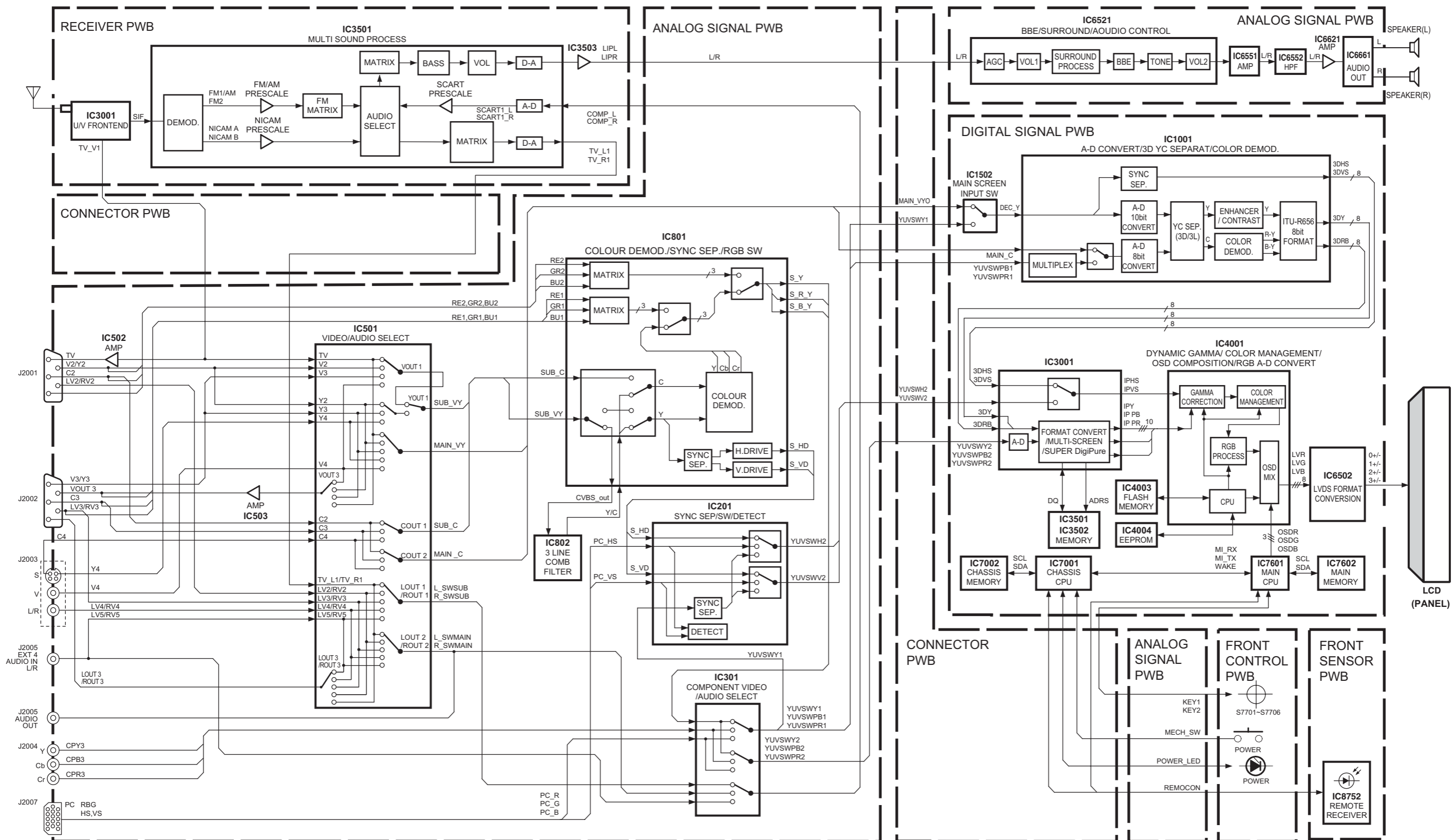
SEMICONDUCTOR SHAPES



WIRING DIAGRAM

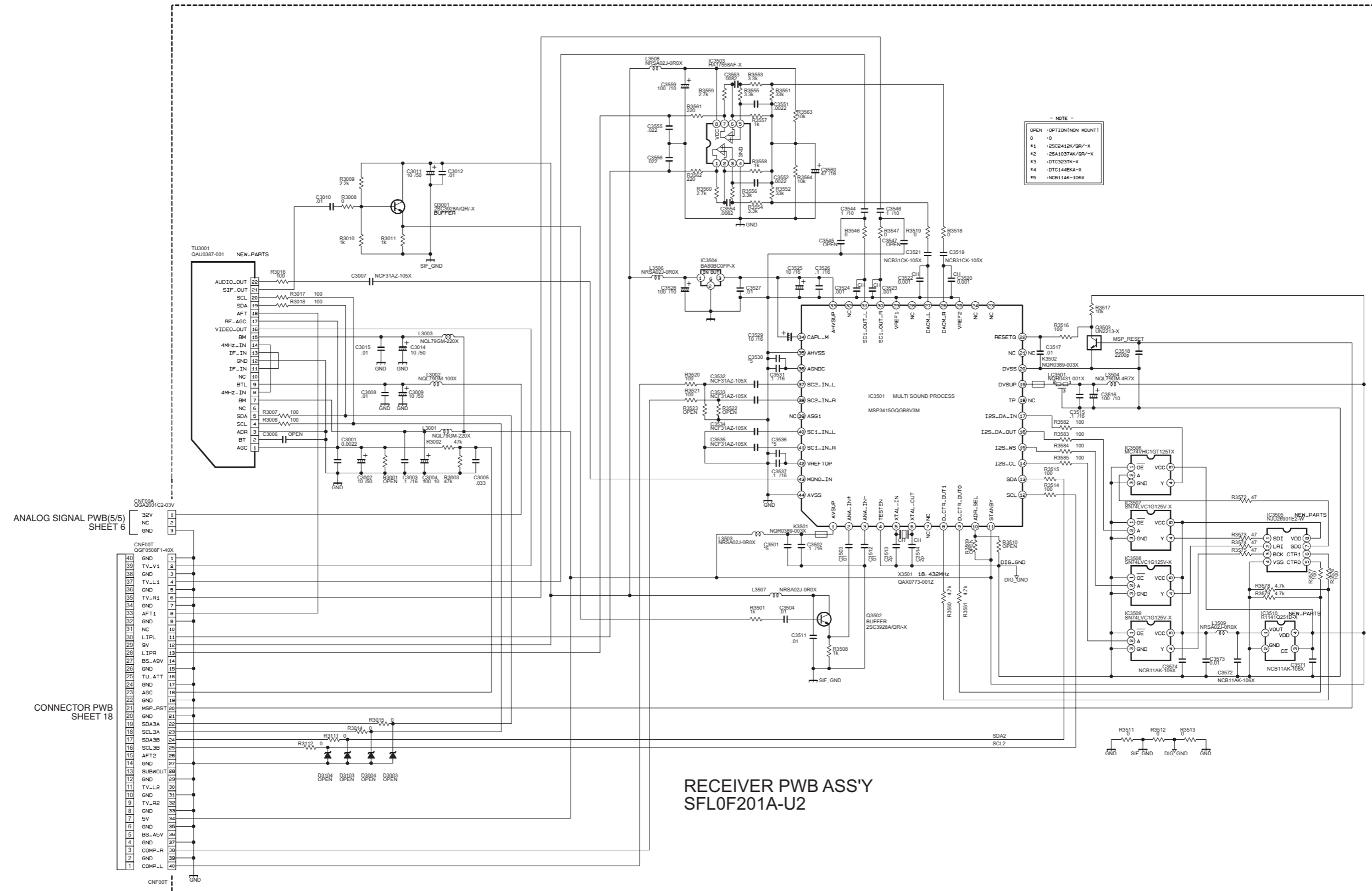


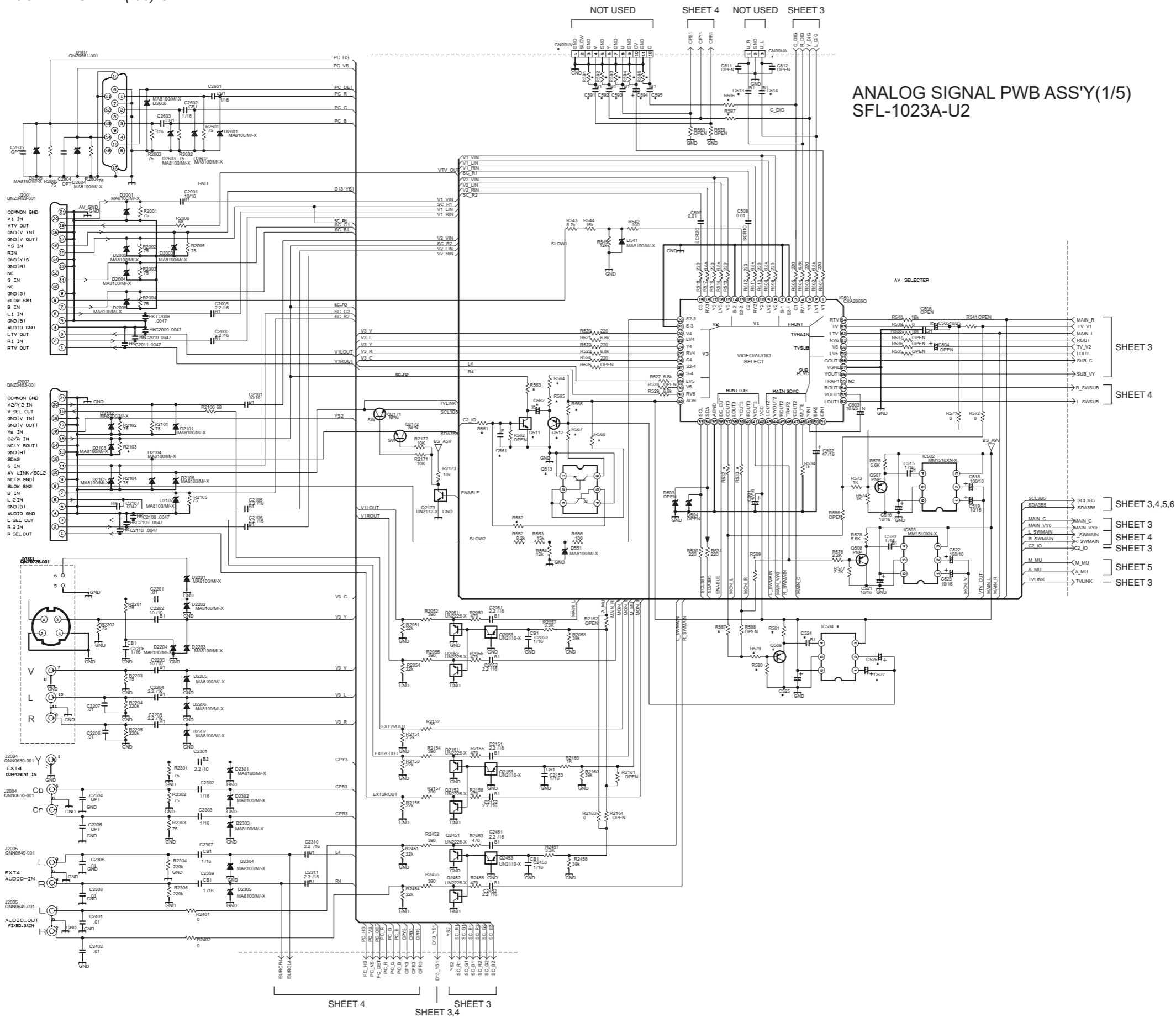
BLOCK DIAGRAM



RECEIVER PWB CIRCUIT DIAGRAM SHEET1

RECEIVER PWB CIRCUIT DIAGRAM SHEET1





DIFFERENCE LIST			
ASS'Y	LCAG0081 SFL-1023A	LCAG0081 SFL-1023A	
No.	SFL-1023A	SFL-1023A	
IC504	OPEN	MM15100N-X	
Q509	OPEN	2SA1530A	
R532	OPEN	0	
R533	OPEN	1K	
R579	OPEN	2.2K	
R580	OPEN	2.2K	
R581	OPEN	5.6K	
R587	OPEN	0	
R589	OPEN	0	
C524	OPEN	1/16	
C525	OPEN	10/16	
C526	OPEN	100/10	
C527	OPEN	10/16	
Q511	OPEN	UN2226-X	
Q512	OPEN	2SA1530A	
Q513	OPEN	UMX1N-W	
R561	OPEN	1K	
R563	OPEN	68	
R564	OPEN	150	
R565	OPEN	150	
R566	OPEN	5.6K	
R567	OPEN	5.6K	
R568	OPEN	3.3K	
R582	OPEN	3.3K	
C561	OPEN	0.1/16	
C562	OPEN	1/16	
CN00UV	OPEN	GGA200102	
CN00UA	OPEN	GGA200102	
R591	OPEN	75	
R592	OPEN	75	
R593	OPEN	75	
R594	OPEN	75	
R595	OPEN	75	
R596	OPEN	0	
R597	OPEN	0	
C591	OPEN	1/16	
C592	OPEN	1/16	
C593	OPEN	1/16	
C594	OPEN	10/16	
C595	OPEN	1/16	
C513	OPEN	1/16	
C514	OPEN	1/16	
R2103	75	OPEN	

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3

CONNECTOR PWB
SHEET 18

SHEET 2

FRONT CONTROL PWB
SHEET 19

SHEET 2

SHEET 4

SHEET 5

SHEET 6

SHEET 2,4

SHEET 4,5

SHEET 2,4,5,6

SHEET 4

SHEET 2

SHEET 4

SHEET 2

SHEET 4

SHEET 2

SHEET 4

SHEET 2

SHEET 4,5

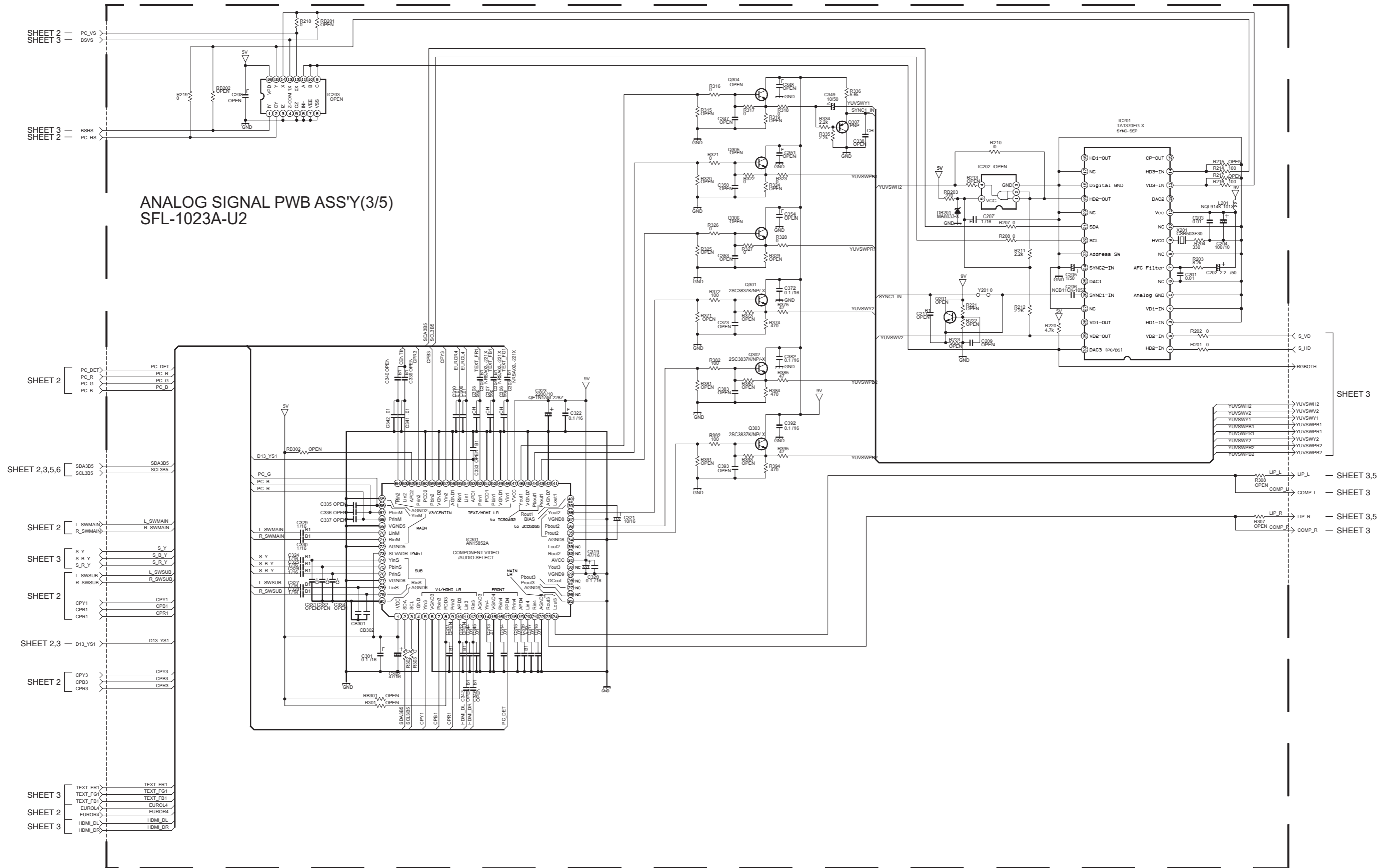
CONNECTOR PWB
SHEET 18

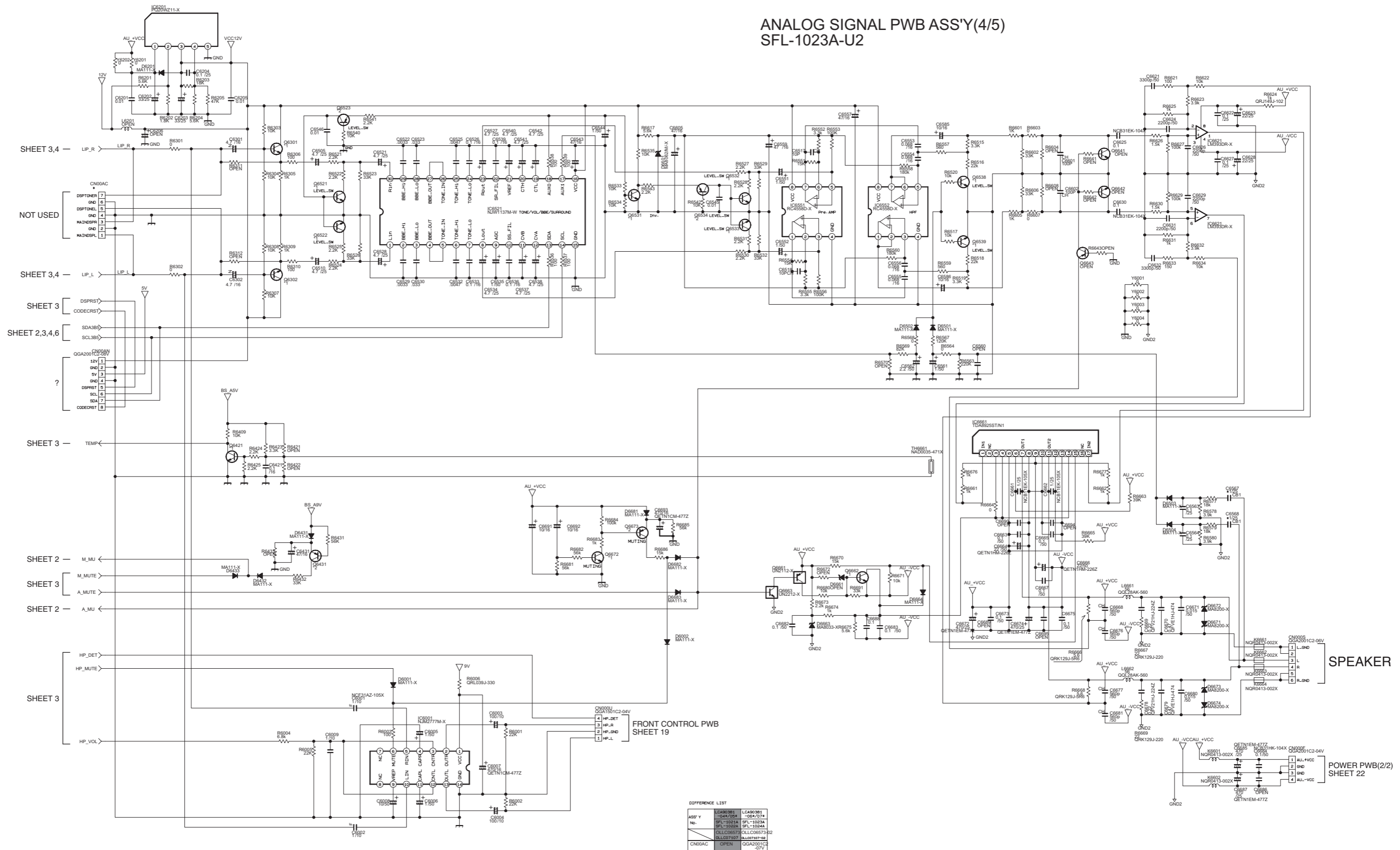
SHEET 5

SHEET 2

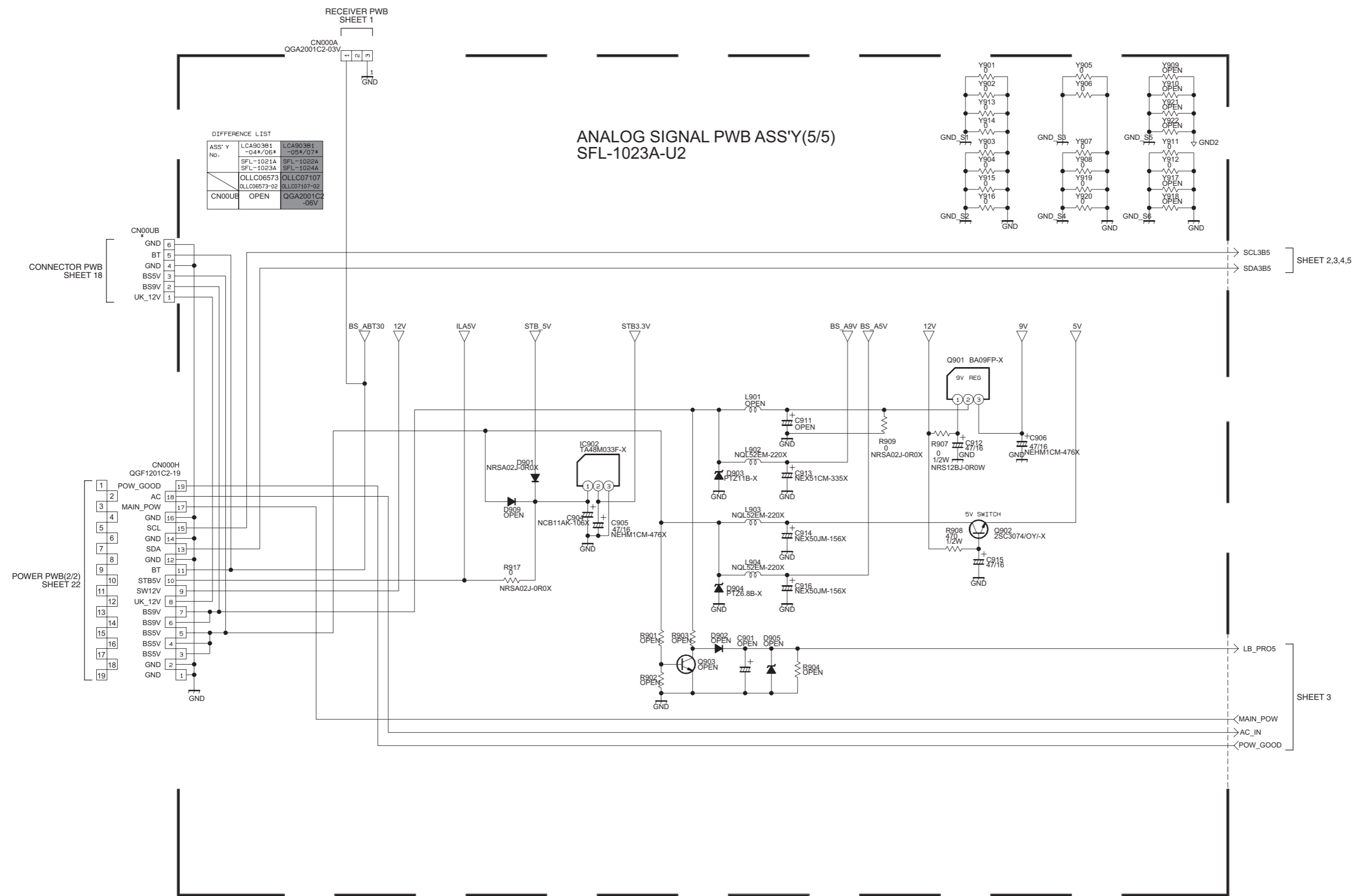
SHEET 5

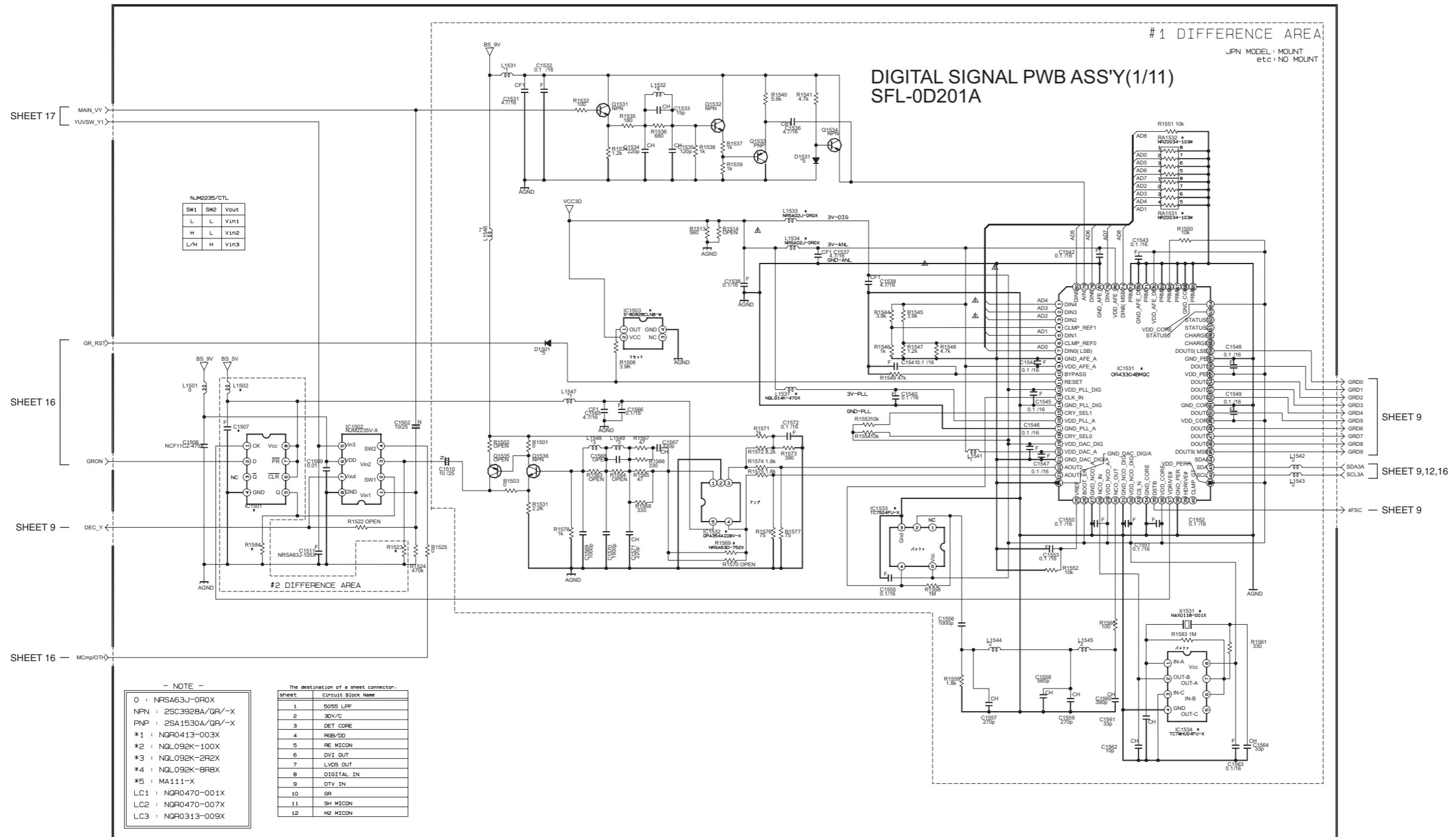
ANALOG SIGNAL PWB ASS'Y(2/5)
SFL-1023A-U2



ANALOG SIGNAL PWB ASS'Y(4/5)
SFL-1023A-U2

DIFFERENCE LIST		
ASS'Y	LCA90381 -04*/05*	LCA90381 -06*/07*
No.	SFL-1021A SFL-1022A	SFL-1023A SFL-1024A
	OLLC06573 OLLC07107	OLLC06573-0 OLLC07107-02
CN00AC	OPEN	QGA2001C2 -07V

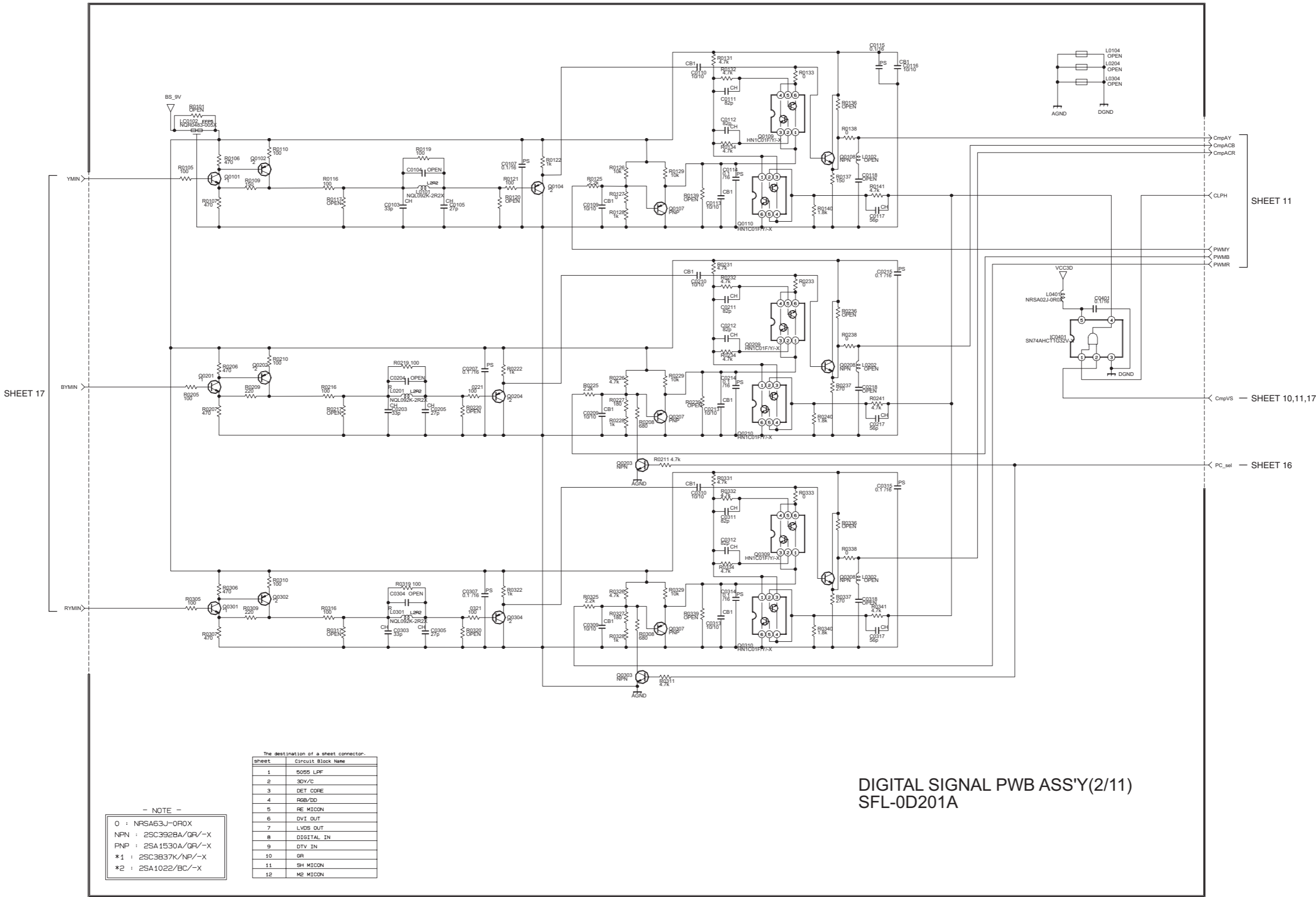


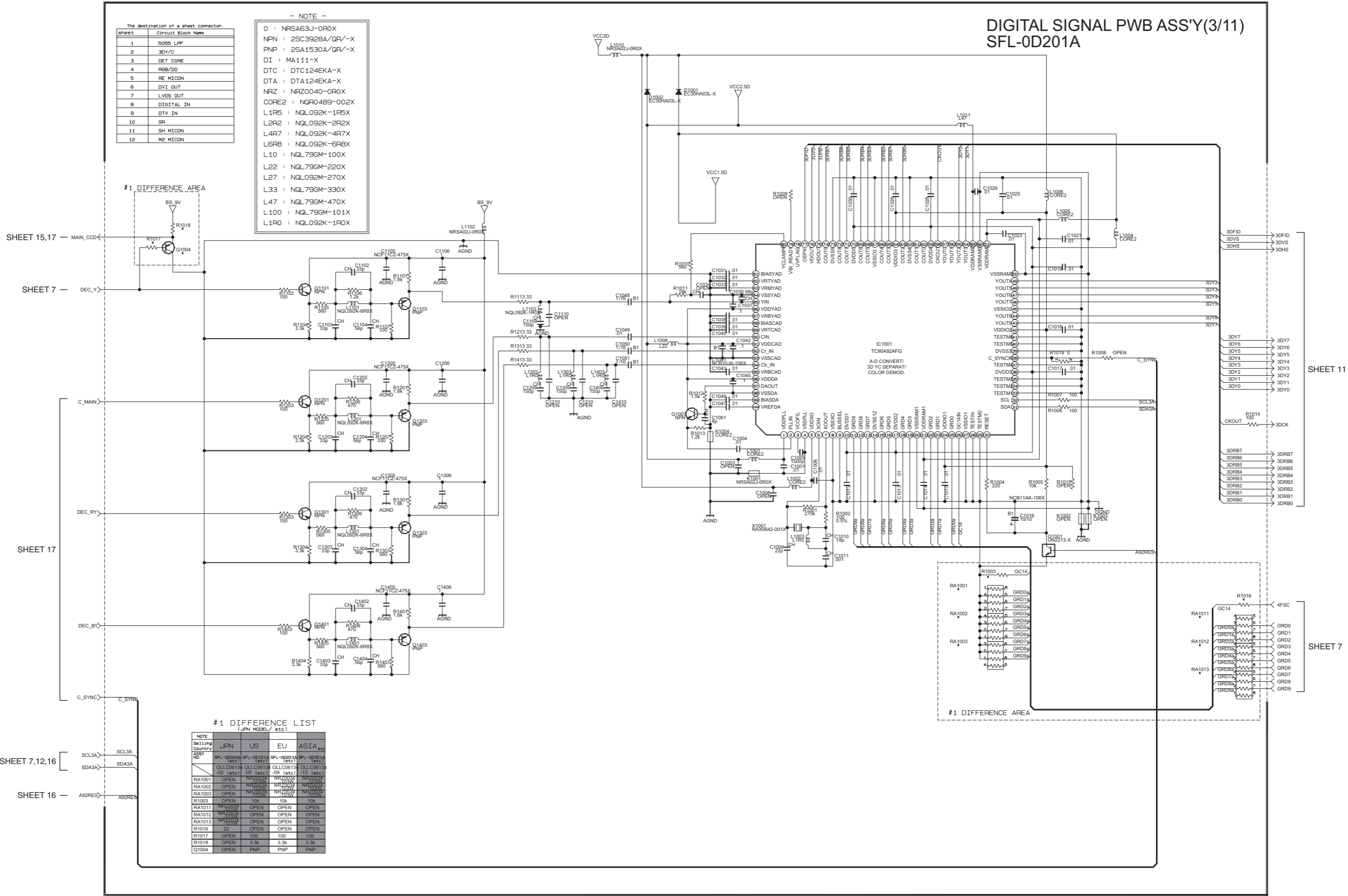


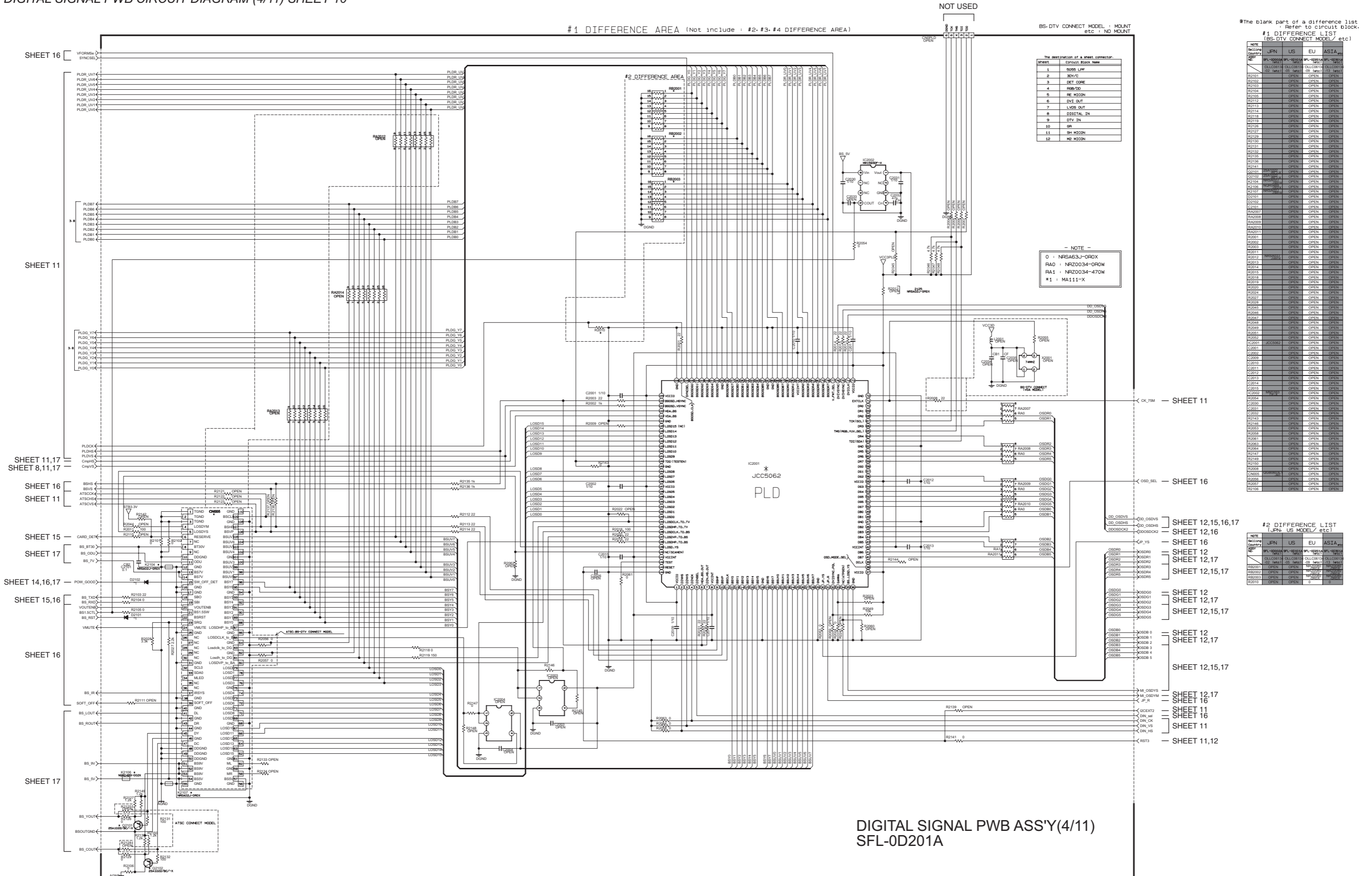
#2 DIFFERENCE LIST (JPN MODEL/ etc)				
NOTE				
Selling Country	JPN	US	EU	ASIA etc
ASBY NO.	SFL-0P002A (etc)	SFL-0P101A (etc)	SFL-0P201A (etc)	SFL-0P301A (etc)
	OLL0C0E13/-02 (etc)	OLL0C0E13/-05 (etc)	OLL0C0E13/-09 (etc)	OLL0C0E13/-13 (etc)
L1502	T	OPEN	OPEN	OPEN
L1507	0.1/16	OPEN	OPEN	OPEN
IC1501	107/84	OPEN	OPEN	OPEN
R1584	OPEN	0	0	0
R1523	1M	NCFL-1022-1.00X	NCFL-1022-1.00X	NCFL-1022-1.00X

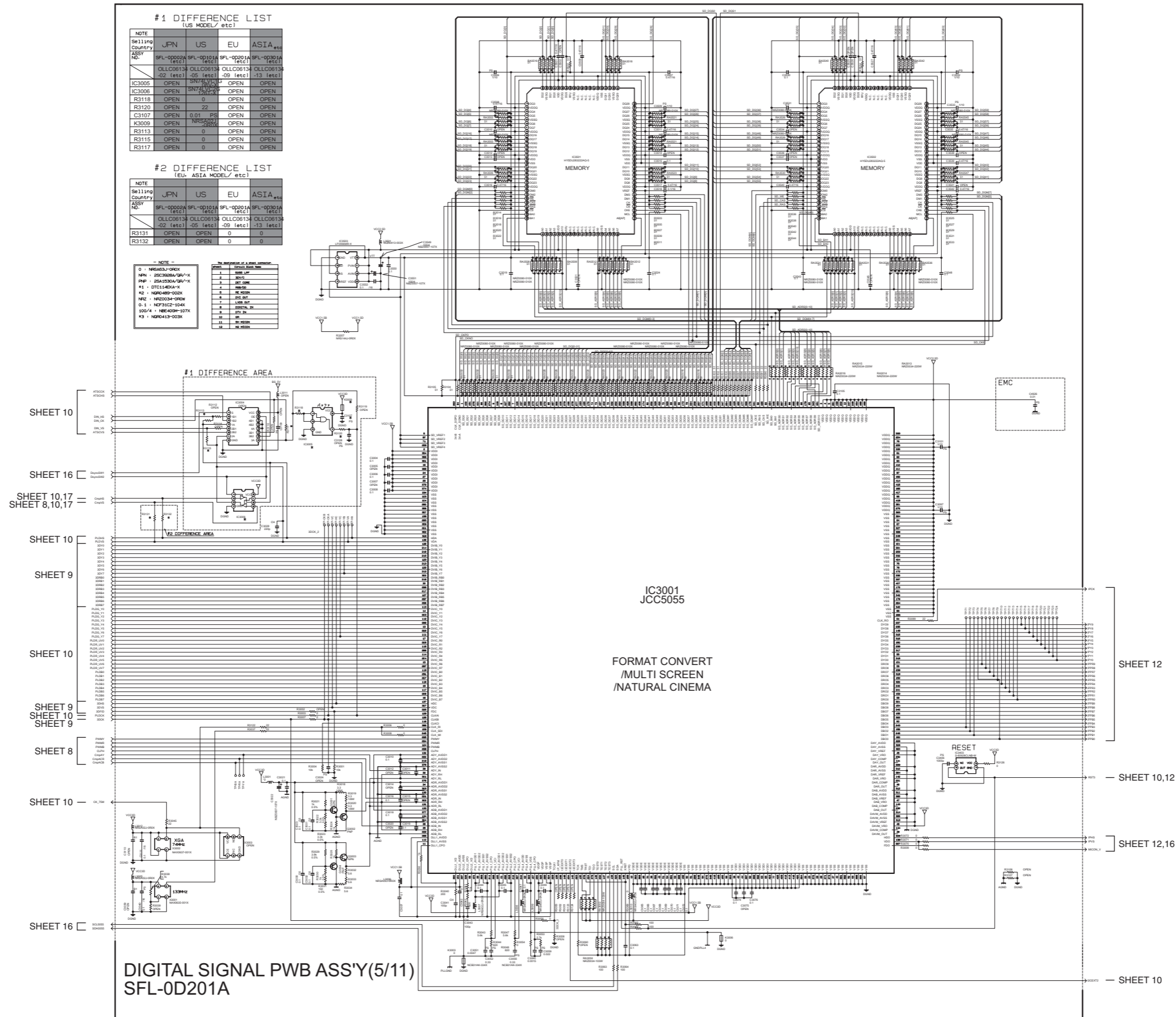
*The blank part of a difference list: Refer to circuit block.
#1 DIFFERENCE LIST

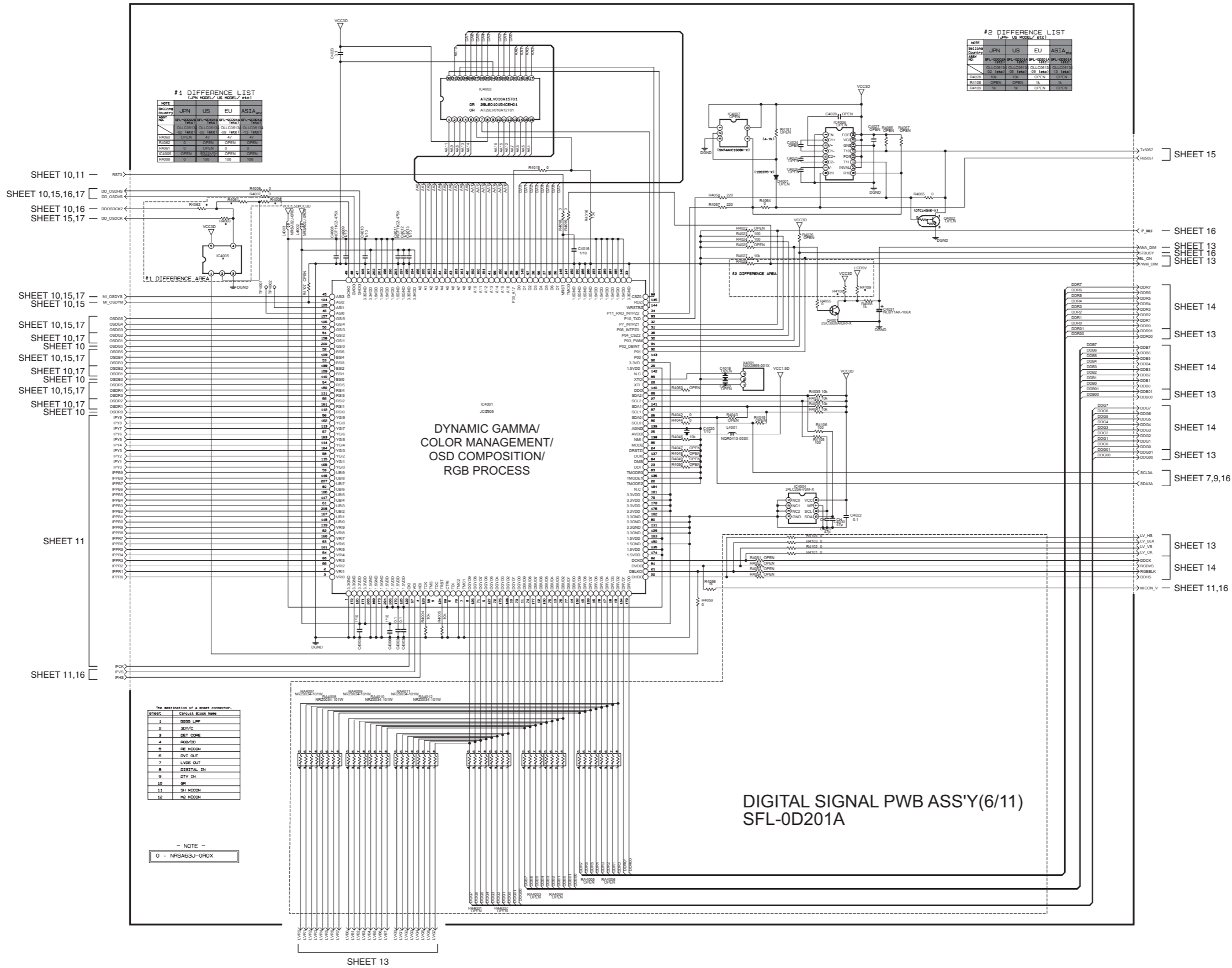
Serial No.	Shipping Country	JPN	US	EU	ASIA
		SFL-0000A (etc)	SFL-0010A (etc)	SFL-0020A (etc)	SFL-0030A (etc)
X1531		OLL00613 02 (etc)	OLL00613 02 (etc)	OLL00613 02 (etc)	OLL00613 02 (etc)
RA1531	NR00000 00000	OPEN	OPEN	OPEN	OPEN
RA1532	NR00000 00000	OPEN	OPEN	OPEN	OPEN
R1503		OPEN	OPEN	OPEN	OPEN
R1508		OPEN	OPEN	OPEN	OPEN
R1513		OPEN	OPEN	OPEN	OPEN
R1531		OPEN	OPEN	OPEN	OPEN
R1532		OPEN	OPEN	OPEN	OPEN
R1534		OPEN	OPEN	OPEN	OPEN
R1535		OPEN	OPEN	OPEN	OPEN
R1536		OPEN	OPEN	OPEN	OPEN
R1537		OPEN	OPEN	OPEN	OPEN
R1538		OPEN	OPEN	OPEN	OPEN
R1539		OPEN	OPEN	OPEN	OPEN
R1540		OPEN	OPEN	OPEN	OPEN
R1541		OPEN	OPEN	OPEN	OPEN
R1542		OPEN	OPEN	OPEN	OPEN
R1545		OPEN	OPEN	OPEN	OPEN
R1546		OPEN	OPEN	OPEN	OPEN
R1547		OPEN	OPEN	OPEN	OPEN
R1548		OPEN	OPEN	OPEN	OPEN
R1549		OPEN	OPEN	OPEN	OPEN
R1550		OPEN	OPEN	OPEN	OPEN
R1551		OPEN	OPEN	OPEN	OPEN
R1552		OPEN	OPEN	OPEN	OPEN
R1553		OPEN	OPEN	OPEN	OPEN
R1554		OPEN	OPEN	OPEN	OPEN
R1556		OPEN	OPEN	OPEN	OPEN
R1559		OPEN	OPEN	OPEN	OPEN
R1560		OPEN	OPEN	OPEN	OPEN
R1561		OPEN	OPEN	OPEN	OPEN
R1565		OPEN	OPEN	OPEN	OPEN
R1566		OPEN	OPEN	OPEN	OPEN
R1568		OPEN	OPEN	OPEN	OPEN
R1569	NR00000 00000	OPEN	OPEN	OPEN	OPEN
R1571		OPEN	OPEN	OPEN	OPEN
R1572		OPEN	OPEN	OPEN	OPEN
R1573		OPEN	OPEN	OPEN	OPEN
R1574		OPEN	OPEN	OPEN	OPEN
R1575		OPEN	OPEN	OPEN	OPEN
R1576		OPEN	OPEN	OPEN	OPEN
R1577		OPEN	OPEN	OPEN	OPEN
R1578		OPEN	OPEN	OPEN	OPEN
R1583		OPEN	OPEN	OPEN	OPEN
Q1531		OPEN	OPEN	OPEN	OPEN
Q1532		OPEN	OPEN	OPEN	OPEN
Q1533		OPEN	OPEN	OPEN	OPEN
Q1534		OPEN	OPEN	OPEN	OPEN
Q1535		OPEN	OPEN	OPEN	OPEN
L1531		OPEN	OPEN	OPEN	OPEN
L1532	NR00000 00000	OPEN	OPEN	OPEN	OPEN
L1533	NR00000 00000	OPEN	OPEN	OPEN	OPEN
L1534	NR00000 00000	OPEN	OPEN	OPEN	OPEN
L1541		OPEN	OPEN	OPEN	OPEN
L1542		OPEN	OPEN	OPEN	OPEN
L1543		OPEN	OPEN	OPEN	OPEN
L1544		OPEN	OPEN	OPEN	OPEN
L1545		OPEN	OPEN	OPEN	OPEN
L1546		OPEN	OPEN	OPEN	OPEN
L1547		OPEN	OPEN	OPEN	OPEN
L1548		OPEN	OPEN	OPEN	OPEN
L1549		OPEN	OPEN	OPEN	OPEN
IC1503	NR00000 00000	OPEN	OPEN	OPEN	OPEN
IC1505	NR00000 00000	OPEN	OPEN	OPEN	OPEN
IC1531	NR00000 00000	OPEN	OPEN	OPEN	OPEN
IC1532	NR00000 00000	OPEN	OPEN	OPEN	OPEN
IC1533	NR00000 00000	OPEN	OPEN	OPEN	OPEN
IC1534	NR00000 00000	OPEN	OPEN	OPEN	OPEN
D1501		OPEN	OPEN	OPEN	OPEN
D1531		OPEN	OPEN	OPEN	OPEN
L1510		OPEN	OPEN	OPEN	OPEN
L1531		OPEN	OPEN	OPEN	OPEN
L1532		OPEN	OPEN	OPEN	OPEN
L1533		OPEN	OPEN	OPEN	OPEN
L1534		OPEN	OPEN	OPEN	OPEN
L1535		OPEN	OPEN	OPEN	OPEN
L1536		OPEN	OPEN	OPEN	OPEN
L1537		OPEN	OPEN	OPEN	OPEN
L1538		OPEN	OPEN	OPEN	OPEN
L1539		OPEN	OPEN	OPEN	OPEN
L1540		OPEN	OPEN	OPEN	OPEN
L1541		OPEN	OPEN	OPEN	OPEN
L1542		OPEN	OPEN	OPEN	OPEN
L1543		OPEN	OPEN	OPEN	OPEN
L1544		OPEN	OPEN	OPEN	OPEN
L1545		OPEN	OPEN	OPEN	OPEN
L1546		OPEN	OPEN	OPEN	OPEN
L1547		OPEN	OPEN	OPEN	OPEN
L1548		OPEN	OPEN	OPEN	OPEN
L1549		OPEN	OPEN	OPEN	OPEN
L1550		OPEN	OPEN	OPEN	OPEN
L1551		OPEN	OPEN	OPEN	OPEN
L1552		OPEN	OPEN	OPEN	OPEN
L1553		OPEN	OPEN	OPEN	OPEN
L1555		OPEN	OPEN	OPEN	OPEN
L1556		OPEN	OPEN	OPEN	OPEN
L1557		OPEN	OPEN	OPEN	OPEN
L1558		OPEN	OPEN	OPEN	OPEN
L1559		OPEN	OPEN	OPEN	OPEN
L1560		OPEN	OPEN	OPEN	OPEN
L1561		OPEN	OPEN	OPEN	OPEN
L1562		OPEN	OPEN	OPEN	OPEN
L1563		OPEN	OPEN	OPEN	OPEN
L1564		OPEN	OPEN	OPEN	OPEN
L1565		OPEN	OPEN	OPEN	OPEN
L1566		OPEN	OPEN	OPEN	OPEN
L1567		OPEN	OPEN	OPEN	OPEN
L1569		OPEN	OPEN	OPEN	OPEN
L1570		OPEN	OPEN	OPEN	OPEN
L1571		OPEN	OPEN	OPEN	OPEN
L1572		OPEN	OPEN	OPEN	OPEN

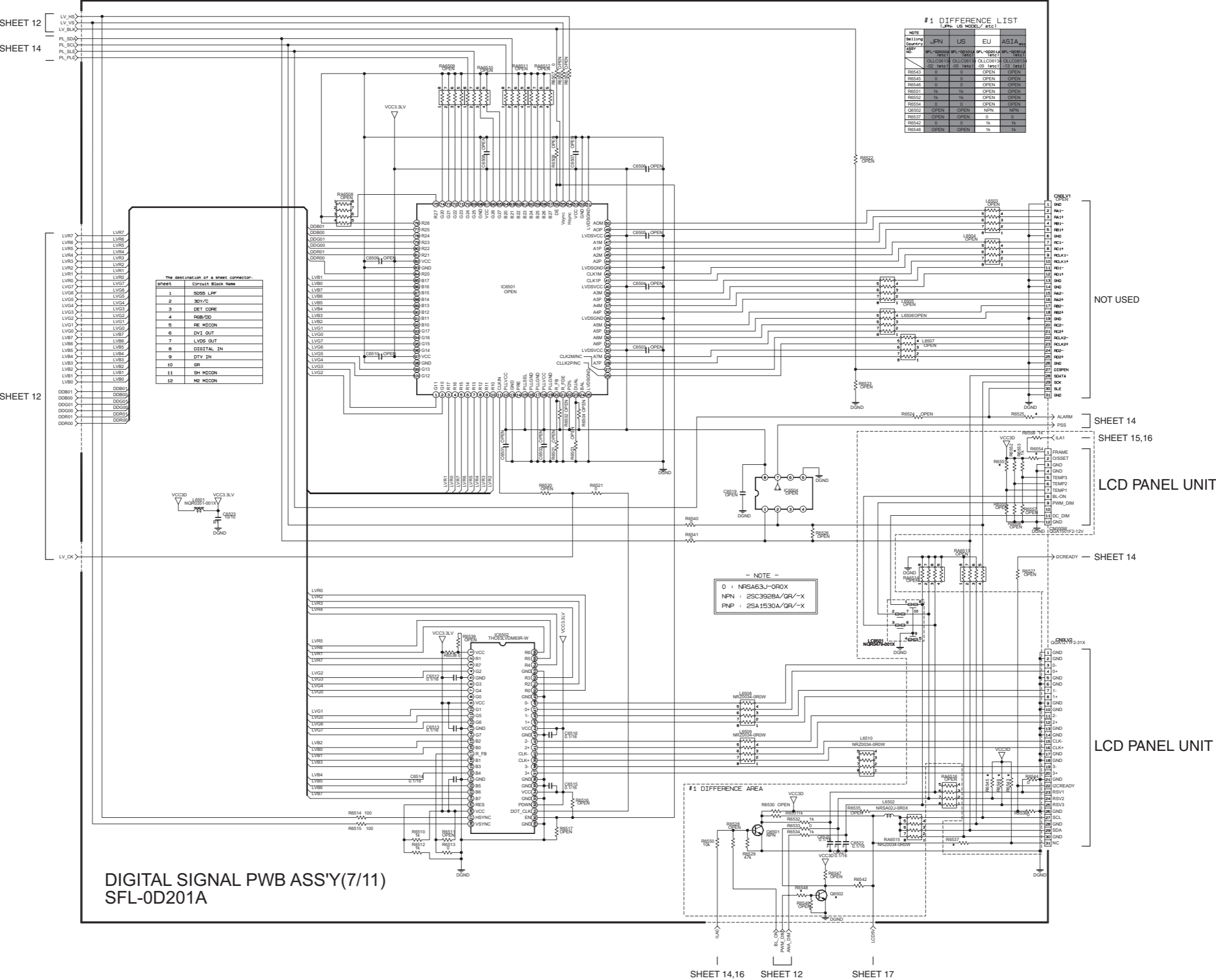


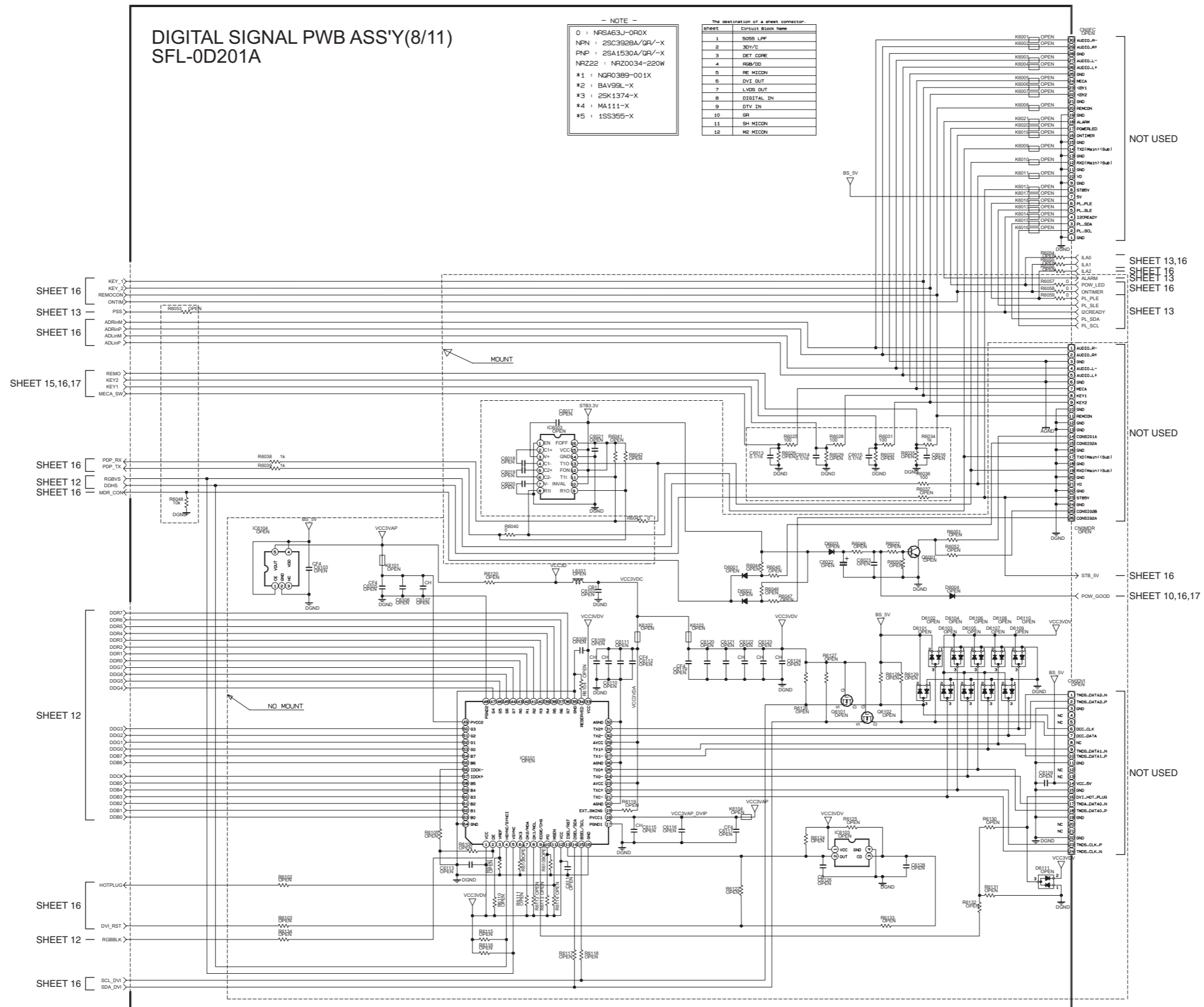


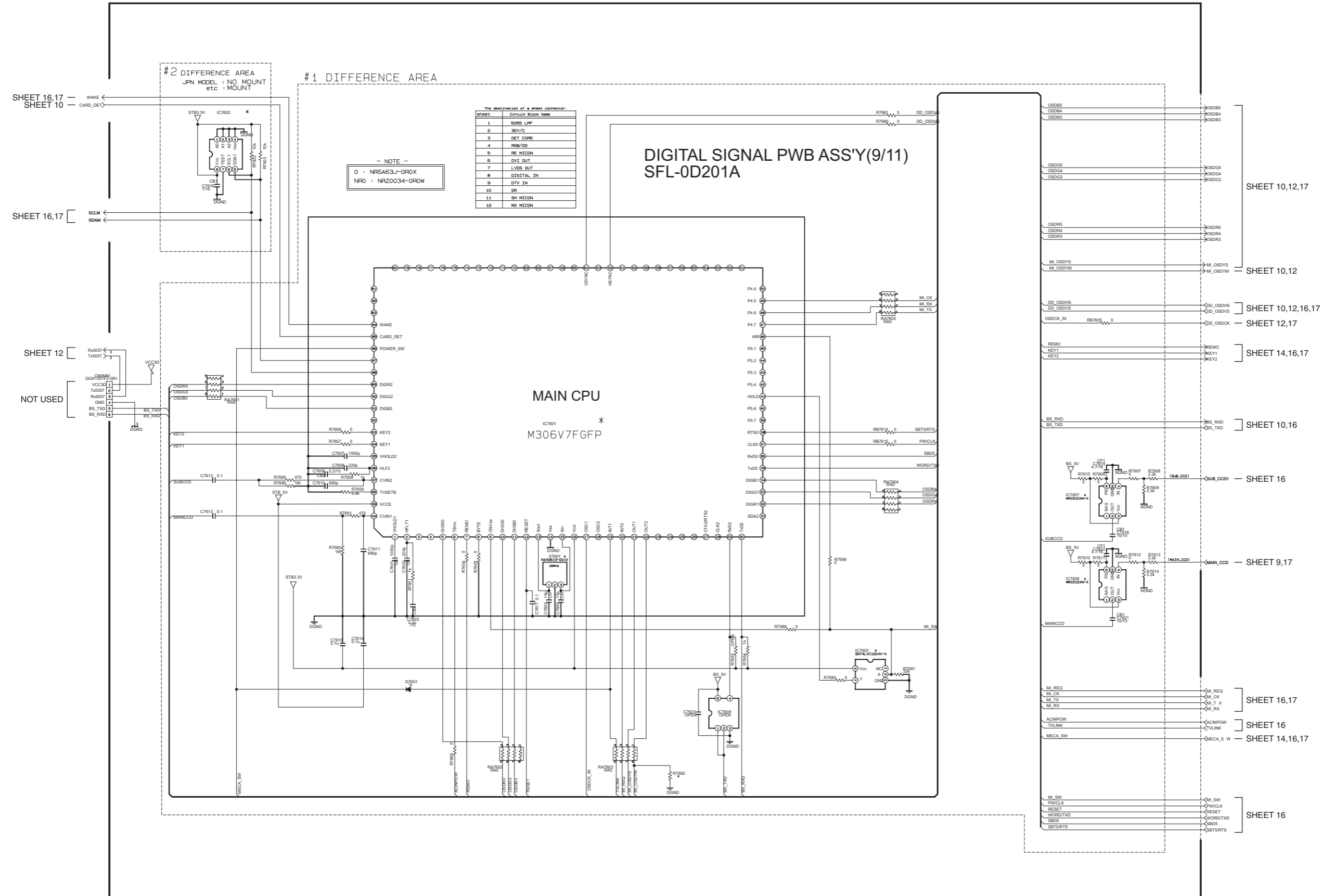












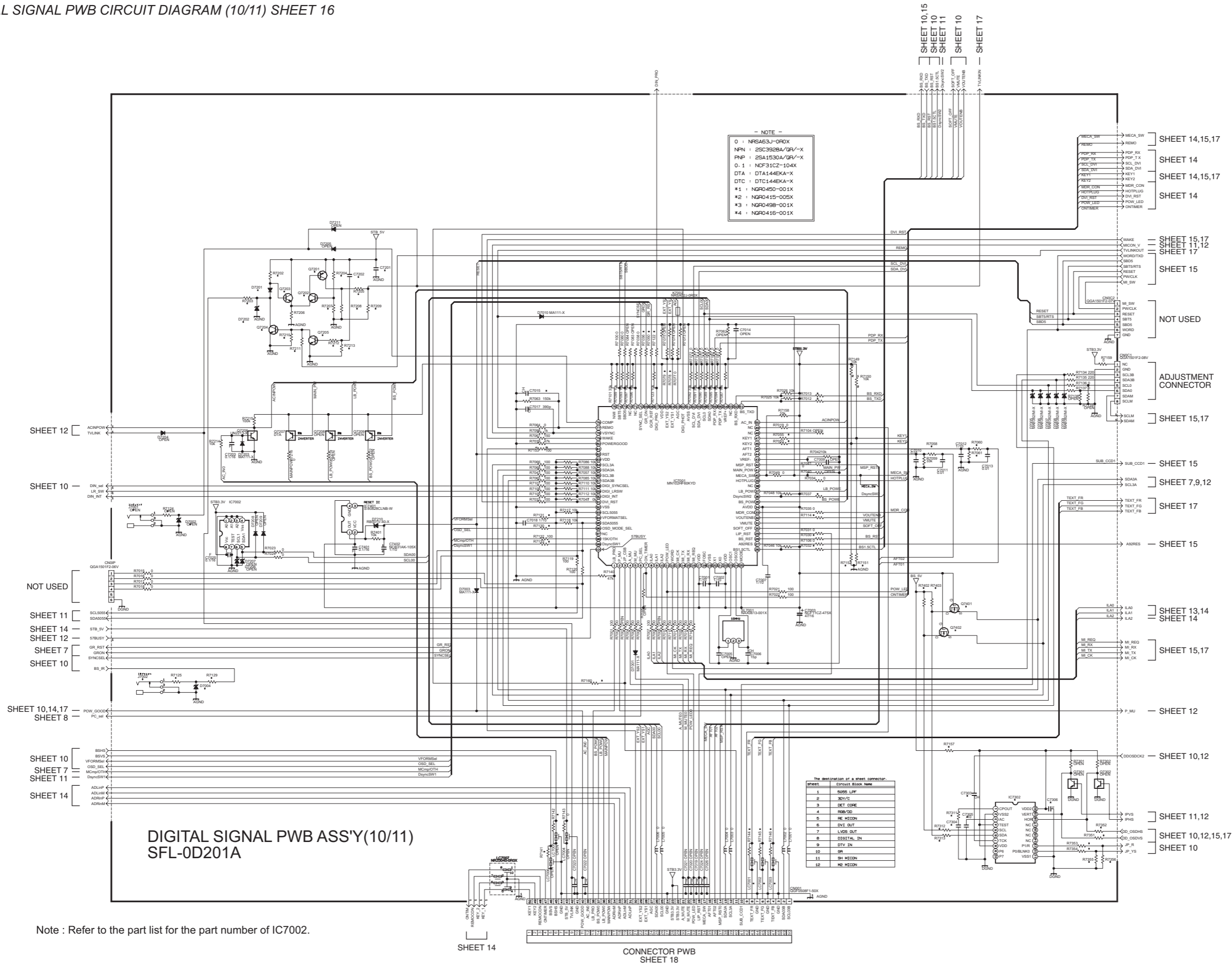
*The blank part of a difference list
: Refer to circuit block.
#1 DIFFERENCE LIST
(US MODEL/ etc)

NOTE	Bell IDB	Region			
		JPN	US	EU	ASIA
		01-090161	01-090171	01-090181	01-090191
		LLC06914	LLC06914	LLC06913	LLC06913
		42 (lets)	40 (lets)	49 (lets)	33 (lets)
R7601	OPEN	OPEN	OPEN	OPEN	OPEN
R8705	OPEN	OPEN	OPEN	OPEN	OPEN
R8704	OPEN	OPEN	OPEN	OPEN	OPEN
R8707	OPEN	OPEN	OPEN	OPEN	OPEN
RA701	OPEN	OPEN	OPEN	OPEN	OPEN
RA702	OPEN	OPEN	OPEN	OPEN	OPEN
RA703	OPEN	OPEN	OPEN	OPEN	OPEN
RA704	OPEN	OPEN	OPEN	OPEN	OPEN
RA705	OPEN	OPEN	OPEN	OPEN	OPEN
R7606	OPEN	OPEN	OPEN	OPEN	OPEN
R7607	OPEN	OPEN	OPEN	OPEN	OPEN
R7604	OPEN	OPEN	OPEN	OPEN	OPEN
R7605	OPEN	OPEN	OPEN	OPEN	OPEN
R7606	OPEN	OPEN	OPEN	OPEN	OPEN
R7607	OPEN	OPEN	OPEN	OPEN	OPEN
R7608	OPEN	OPEN	OPEN	OPEN	OPEN
R7609	OPEN	OPEN	OPEN	OPEN	OPEN
R7610	OPEN	OPEN	OPEN	OPEN	OPEN
R7611	OPEN	OPEN	OPEN	OPEN	OPEN
R7612	OPEN	OPEN	OPEN	OPEN	OPEN
R7613	OPEN	OPEN	OPEN	OPEN	OPEN
R7614	OPEN	OPEN	OPEN	OPEN	OPEN
R7615	OPEN	OPEN	OPEN	OPEN	OPEN
R7616	OPEN	OPEN	OPEN	OPEN	OPEN
R7617	OPEN	OPEN	OPEN	OPEN	OPEN
R7618	OPEN	OPEN	OPEN	OPEN	OPEN
R7619	OPEN	OPEN	OPEN	OPEN	OPEN
R7620	OPEN	OPEN	OPEN	OPEN	OPEN
R7621	OPEN	OPEN	OPEN	OPEN	OPEN
R7622	OPEN	OPEN	OPEN	OPEN	OPEN
R7623	OPEN	OPEN	OPEN	OPEN	OPEN
R7624	OPEN	OPEN	OPEN	OPEN	OPEN
R7625	OPEN	OPEN	OPEN	OPEN	OPEN
R7626	OPEN	OPEN	OPEN	OPEN	OPEN
R7627	OPEN	OPEN	OPEN	OPEN	OPEN
R7628	OPEN	OPEN	OPEN	OPEN	OPEN
R7629	OPEN	OPEN	OPEN	OPEN	OPEN
R7630	OPEN	OPEN	OPEN	OPEN	OPEN
R7631	OPEN	OPEN	OPEN	OPEN	OPEN
R7632	OPEN	OPEN	OPEN	OPEN	OPEN
R7633	OPEN	OPEN	OPEN	OPEN	OPEN
R7634	OPEN	OPEN	OPEN	OPEN	OPEN
R7635	OPEN	OPEN	OPEN	OPEN	OPEN
R7636	OPEN	OPEN	OPEN	OPEN	OPEN
R7637	OPEN	OPEN	OPEN	OPEN	OPEN
R7638	OPEN	OPEN	OPEN	OPEN	OPEN
R7639	OPEN	OPEN	OPEN	OPEN	OPEN
R7640	OPEN	OPEN	OPEN	OPEN	OPEN
R7641	OPEN	OPEN	OPEN	OPEN	OPEN
R7642	OPEN	OPEN	OPEN	OPEN	OPEN
R7643	OPEN	OPEN	OPEN	OPEN	OPEN
R7644	OPEN	OPEN	OPEN	OPEN	OPEN
R7645	OPEN	OPEN	OPEN	OPEN	OPEN
R7646	OPEN	OPEN	OPEN	OPEN	OPEN
R7647	OPEN	OPEN	OPEN	OPEN	OPEN
R7648	OPEN	OPEN	OPEN	OPEN	OPEN
R7649	OPEN	OPEN	OPEN	OPEN	OPEN
R7650	OPEN	OPEN	OPEN	OPEN	OPEN
R7651	OPEN	OPEN	OPEN	OPEN	OPEN
R7652	OPEN	OPEN	OPEN	OPEN	OPEN
R7653	OPEN	OPEN	OPEN	OPEN	OPEN
R7654	OPEN	OPEN	OPEN	OPEN	OPEN
R7655	OPEN	OPEN	OPEN	OPEN	OPEN
R7656	OPEN	OPEN	OPEN	OPEN	OPEN
R7657	OPEN	OPEN	OPEN	OPEN	OPEN
R7658	OPEN	OPEN	OPEN	OPEN	OPEN
R7659	OPEN	OPEN	OPEN	OPEN	OPEN
R7660	OPEN	OPEN	OPEN	OPEN	OPEN
R7661	OPEN	OPEN	OPEN	OPEN	OPEN
R7662	OPEN	OPEN	OPEN	OPEN	OPEN
R7663	OPEN	OPEN	OPEN	OPEN	OPEN
R7664	OPEN	OPEN	OPEN	OPEN	OPEN
R7665	OPEN	OPEN	OPEN	OPEN	OPEN
R7666	OPEN	OPEN	OPEN	OPEN	OPEN
R7667	OPEN	OPEN	OPEN	OPEN	OPEN
R7668	OPEN	OPEN	OPEN	OPEN	OPEN
R7669	OPEN	OPEN	OPEN	OPEN	OPEN
R7670	OPEN	OPEN	OPEN	OPEN	OPEN
R7671	OPEN	OPEN	OPEN	OPEN	OPEN
R7672	OPEN	OPEN	OPEN	OPEN	OPEN
R7673	OPEN	OPEN	OPEN	OPEN	OPEN
R7674	OPEN	OPEN	OPEN	OPEN	OPEN
R7675	OPEN	OPEN	OPEN	OPEN	OPEN
R7676	OPEN	OPEN	OPEN	OPEN	OPEN
R7677	OPEN	OPEN	OPEN	OPEN	OPEN
R7678	OPEN	OPEN	OPEN	OPEN	OPEN
R7679	OPEN	OPEN	OPEN	OPEN	OPEN
R7680	OPEN	OPEN	OPEN	OPEN	OPEN
R7681	OPEN	OPEN	OPEN	OPEN	OPEN
R7682	OPEN	OPEN	OPEN	OPEN	OPEN
R7683	OPEN	OPEN	OPEN	OPEN	OPEN
R7684	OPEN	OPEN	OPEN	OPEN	OPEN
R7685	OPEN	OPEN	OPEN	OPEN	OPEN
R7686	OPEN	OPEN	OPEN	OPEN	OPEN
R7687	OPEN	OPEN	OPEN	OPEN	OPEN
R7688	OPEN	OPEN	OPEN	OPEN	OPEN
R7689	OPEN	OPEN	OPEN	OPEN	OPEN
R7690	OPEN	OPEN	OPEN	OPEN	OPEN
R7691	OPEN	OPEN	OPEN	OPEN	OPEN
R7692	10%	OPEN	10%	10%	10%

#2 DIFFERENCE LIST
(US MODEL / ELASTA MODEL / etc)

NOTE	JPN	US	EU	ASIA
Belling Country				etc.
ISSY NO	SFL-0P083A (etc)	SFL-0P101A (etc)	SFL-0P201A (etc)	SFL-0P301A (etc)
/	OLL0C613A -02 (etc)	OLL0C613A -05 (etc)	OLL0C613A -09 (etc)	OLL0C613A -13 (etc)
IC7602	OPEN	24C-025B	#	24C-025B
R7602	OPEN	10k	10k	10k
R7603	OPEN	10k	10k	10k
R7616	OPEN	1/16 CR	1/16 CR	1/16 CR

Note : Refer to the part list
for the part number of IC7602.



# 1 DIFFERENCE LIST						
(JPM MODEL etc.)						
NCTE Building Type	JPN OPEN	US EU	EU ASIA	ASIA AFRICA	AFRICA LATAM	LATAM MIDDLE EAST
	OLLOVER 90 days	OLLOVER 90 days	OLLOVER 90 days	OLLOVER 90 days	OLLOVER 90 days	OLLOVER 90 days
R7000	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7001	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7012	0 OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7013	0 OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7018	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7020	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7021	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7025	0 OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7026	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7027	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7028	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7029	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7034	MIDDLE EAST	OPEN	OPEN	OPEN	OPEN	OPEN
R7035	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
G7040	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7043	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7044	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7045	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7046	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7047	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7048	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7049	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7050	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7051	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7052	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7053	6.8% OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7054	6.8% OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7055	6.8% OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7056	6.8% OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7057	6.8% OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7058	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R7059	OPEN	3.3% OPEN	OPEN	OPEN	OPEN	OPEN

#2 DISTRIBUTION LIST					
(BU MODEL / etc.)					
NOTE	JPN	US	EU	ASIA	
Bell's 9000 NO.	JP-0008A	US-0007A	EU-0007A	JP-0008A	
	OILCOPR100	OILCOPR100	OILCOPR130	OILCOPR130	
	(100) (100)	(100) (100)	(130) (130)	(130) (130)	
G7201	OPEN	OPEN	NPN	OPEN	
G7202	OPEN	OPEN	NPN	OPEN	
G7203	OPEN	OPEN	NPN	OPEN	
G7204	OPEN	OPEN	NPN	OPEN	
G7205	OPEN	OPEN	NPN	OPEN	
G7206	OPEN	OPEN	NPN	OPEN	
G7207	OPEN	OPEN	MAT11-X	OPEN	
DJ201	OPEN	OPEN	OPEN	OPEN	
CZ201	OPEN	OPEN	110	OPEN	
R7202	OPEN	OPEN	27k	OPEN	
R7203	OPEN	OPEN	27k	OPEN	
R7204	OPEN	OPEN	220	OPEN	
R7205	OPEN	OPEN	10k	OPEN	
R7206	OPEN	OPEN	1k	OPEN	
R7207	OPEN	OPEN	10k	OPEN	
R7208	OPEN	OPEN	15	OPEN	
R7209	OPEN	OPEN	1.5k	OPEN	
R7210	OPEN	OPEN	10k	OPEN	
R7211	OPEN	OPEN	10k	OPEN	
R7212	OPEN	OPEN	47k	OPEN	
R7213	OPEN	OPEN	1k	OPEN	
R7214	OPEN	OPEN	1k	OPEN	
R7215	OPEN	OPEN	0	OPEN	

#3 DIFFERENCE LIST (US MODEL etc)				
NOTE				
Selling Country	JPN	US	EU	ASIA etc
ASST NO.				
	SFL-0P002A	SFL-0P010A	SFL-0P020A	SFL-0P030A etc
	OLLC0613A -02	OLLC0613A -05	OLLC0613A -09	OLLC0613A 13 etc
R7122	OPEN	0	OPEN	OPEN
R7058	1k	22k	1k	1k
R7160	OPEN	0	OPEN	OPEN

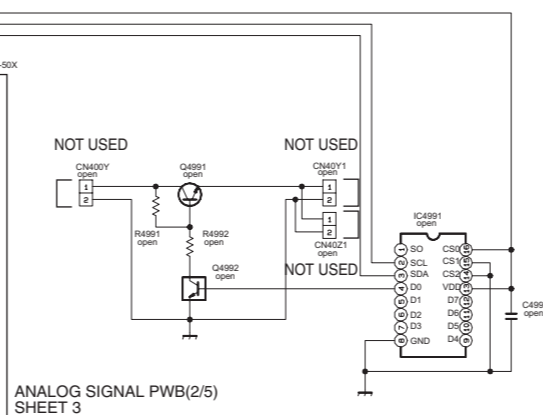
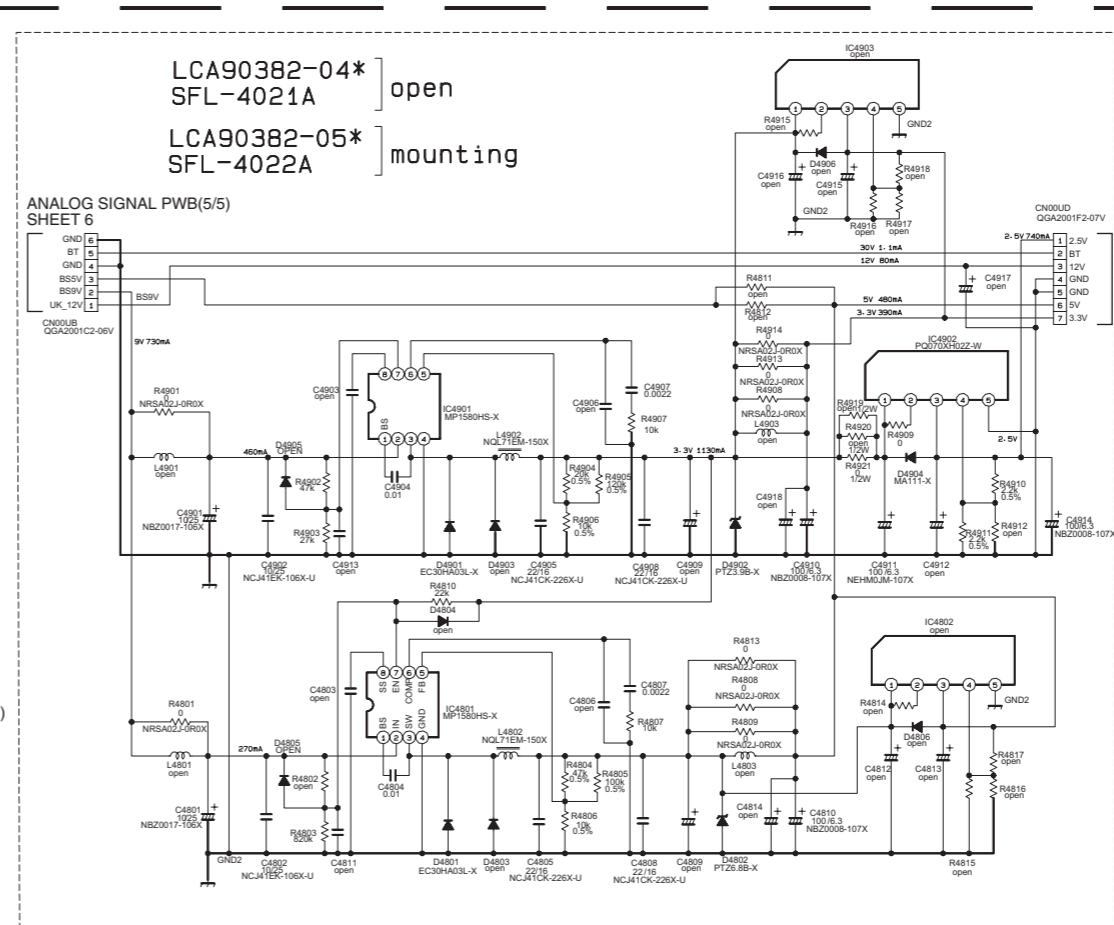
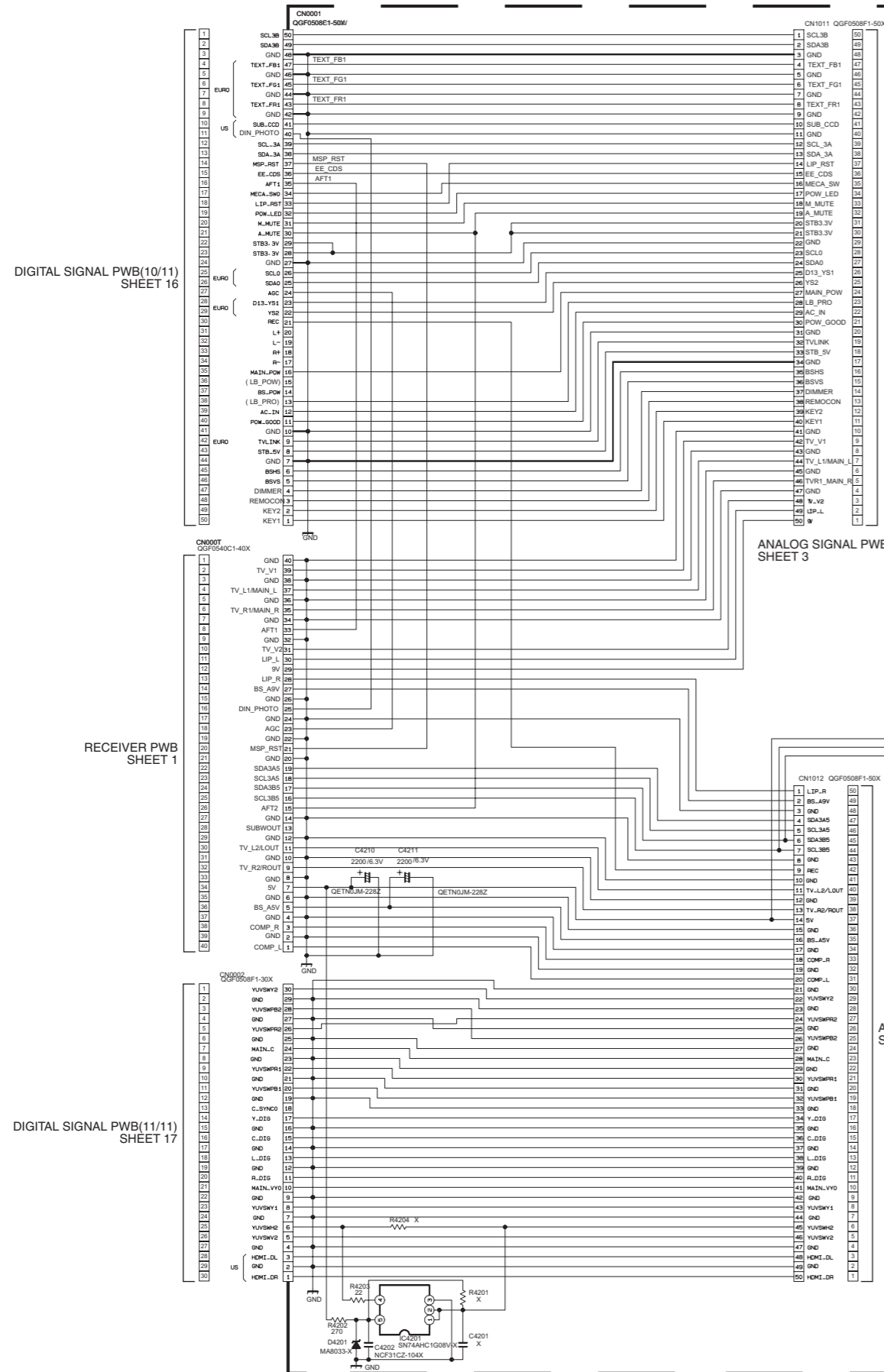
#4 DIFFERENCE LIST (BS-DTV CONNECT MODEL/ etc)						
NOTE		BS-DTV CONNECT	NO CONNECT	NO CONNECT	NO CONNECT	
Selling Country		JPN	US	EU	ASIA	etc
ASST NO.		BFL-0P0008 (etc)	BFL-0P1014 (etc)	BFL-0P0014 (etc)	BFL-0P3014 (etc)	
		OLLCO6134 -02 (etc)	OLLCO6135 -05 (etc)	OLLCO6134 -09 (etc)	OLLCO6134 -13 (etc)	
R7141		0	OPEN	OPEN	OPEN	
R7142		0	OPEN	OPEN	OPEN	
R7130		0	OPEN	OPEN	OPEN	
R7114		0	OPEN	OPEN	OPEN	
R7032		0	OPEN	OPEN	OPEN	

#5 DIFFERENCE LIST (EU-ASIA MODEL/ etc)						
NOTE	JPN	US	EU	ASIA		
RSelling						
ASST						
ASST NO	0PL-000204	0PL-000104	0PL-000204	0PL-000204	0PL-000204	0PL-000204
	02 (2c)	05 (2c)	01 (2c)	09 (2c)	09 (2c)	13 (3c)
RT151	OPEN	OPEN	OPEN	27a	27a	
RT152	OPEN	OPEN	OPEN	27a	27a	
RT090	33x	33x	100x	47x	47x	
RT091	150x	150x	100x	100x	100x	
RT037	0	0	0	OPEN	OPEN	
RT038	0	0	0	OPEN	OPEN	
LC7001	NOSSOLD	NOSSOLD	NOSSOLD	OPEN	OPEN	
LC7002	NOSSOLD	NOSSOLD	NOSSOLD	OPEN	OPEN	
LC7003	NOSSOLD	NOSSOLD	NOSSOLD	OPEN	OPEN	
RT144	OPEN	OPEN	OPEN	0	0	
RT145	OPEN	OPEN	OPEN	0	0	
RT146	OPEN	OPEN	OPEN	0	0	

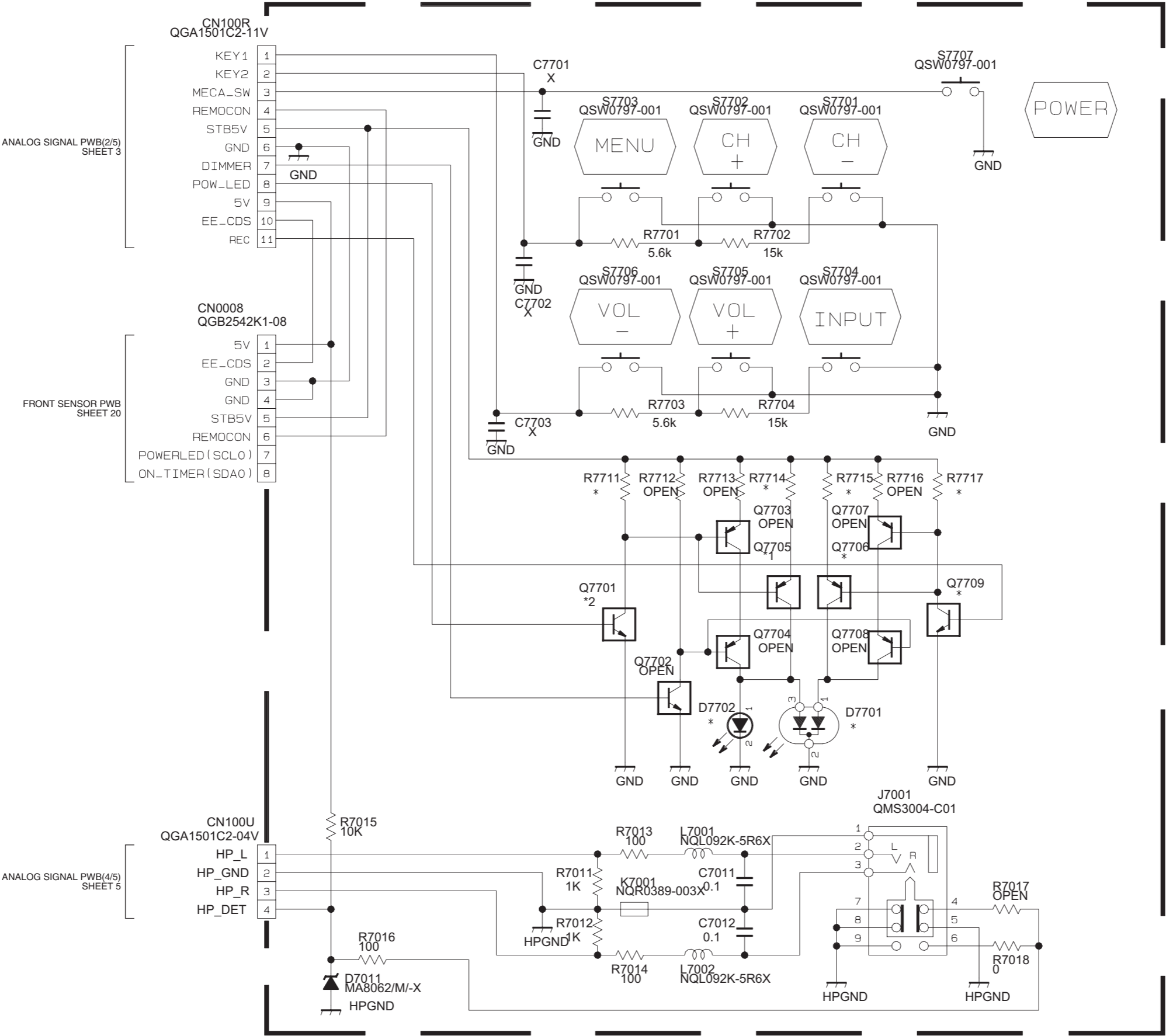
Note : Refer to the part list for the part number of IC7002.



CONNECTOR PWB CIRCUIT DIAGRAM SHEET 18

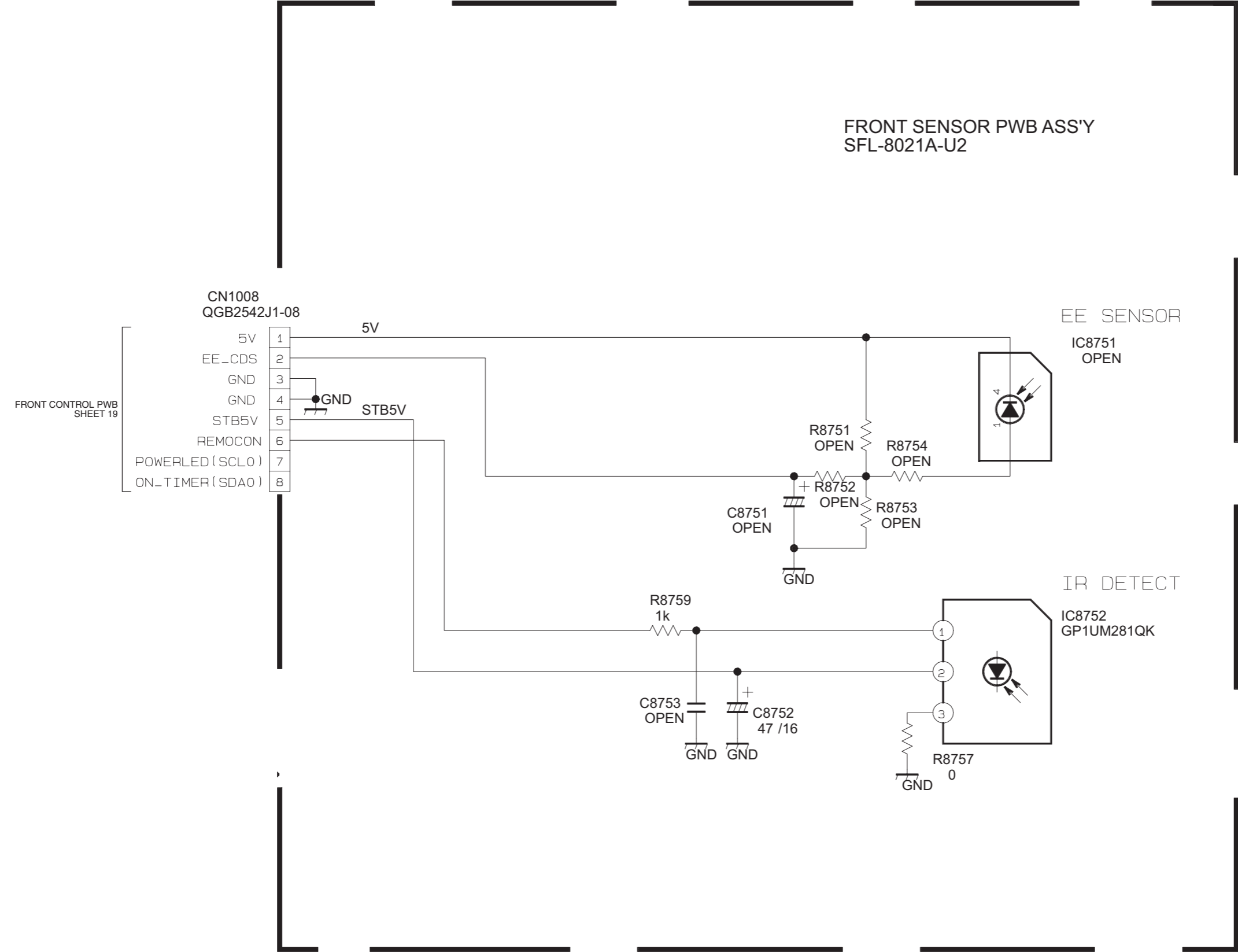


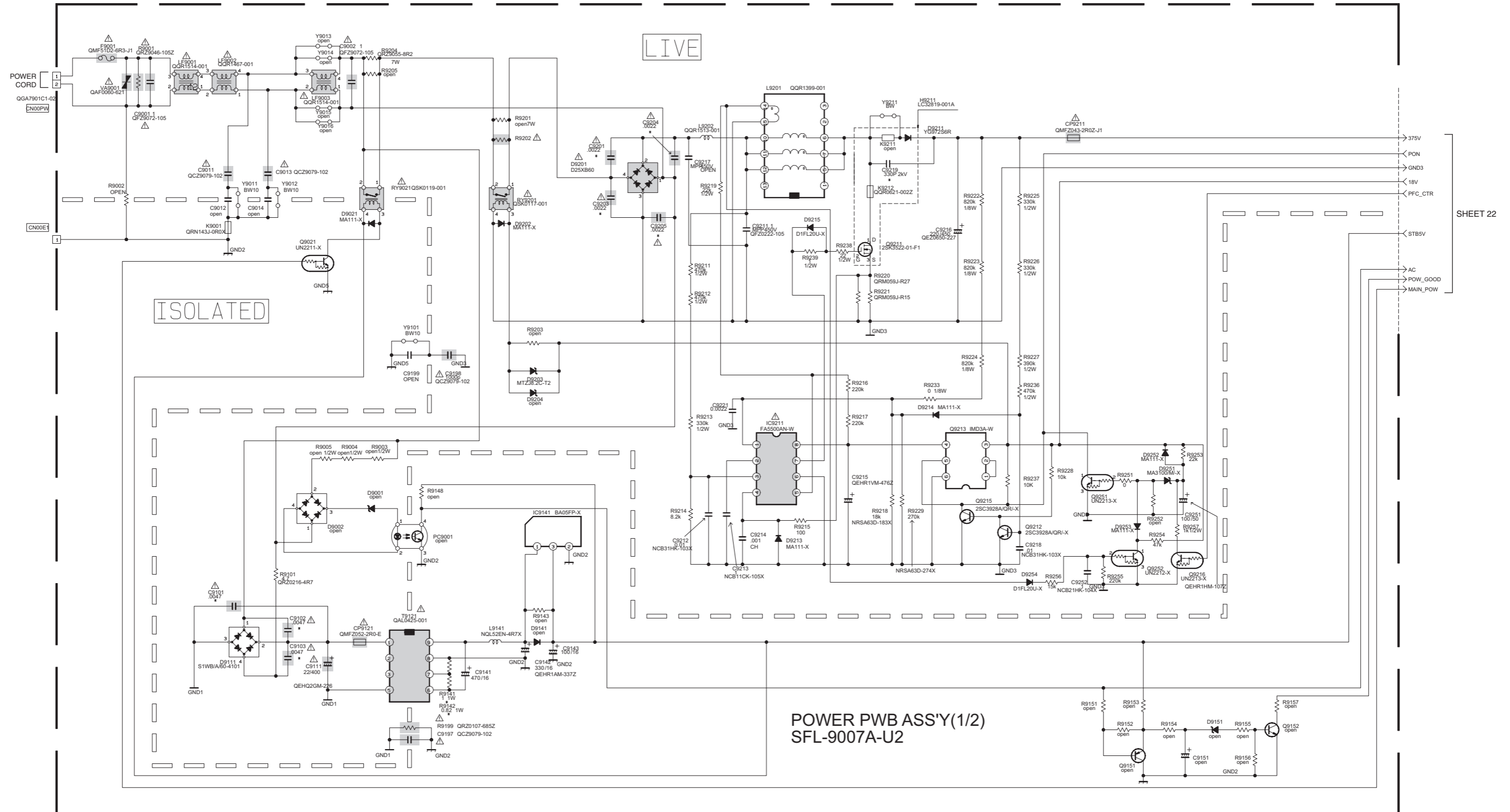
CONNECTOR PWB ASS'Y
SFL-4021A-U2



FRONT CONTROL PWB ASS'Y
SFL-7021A-U2

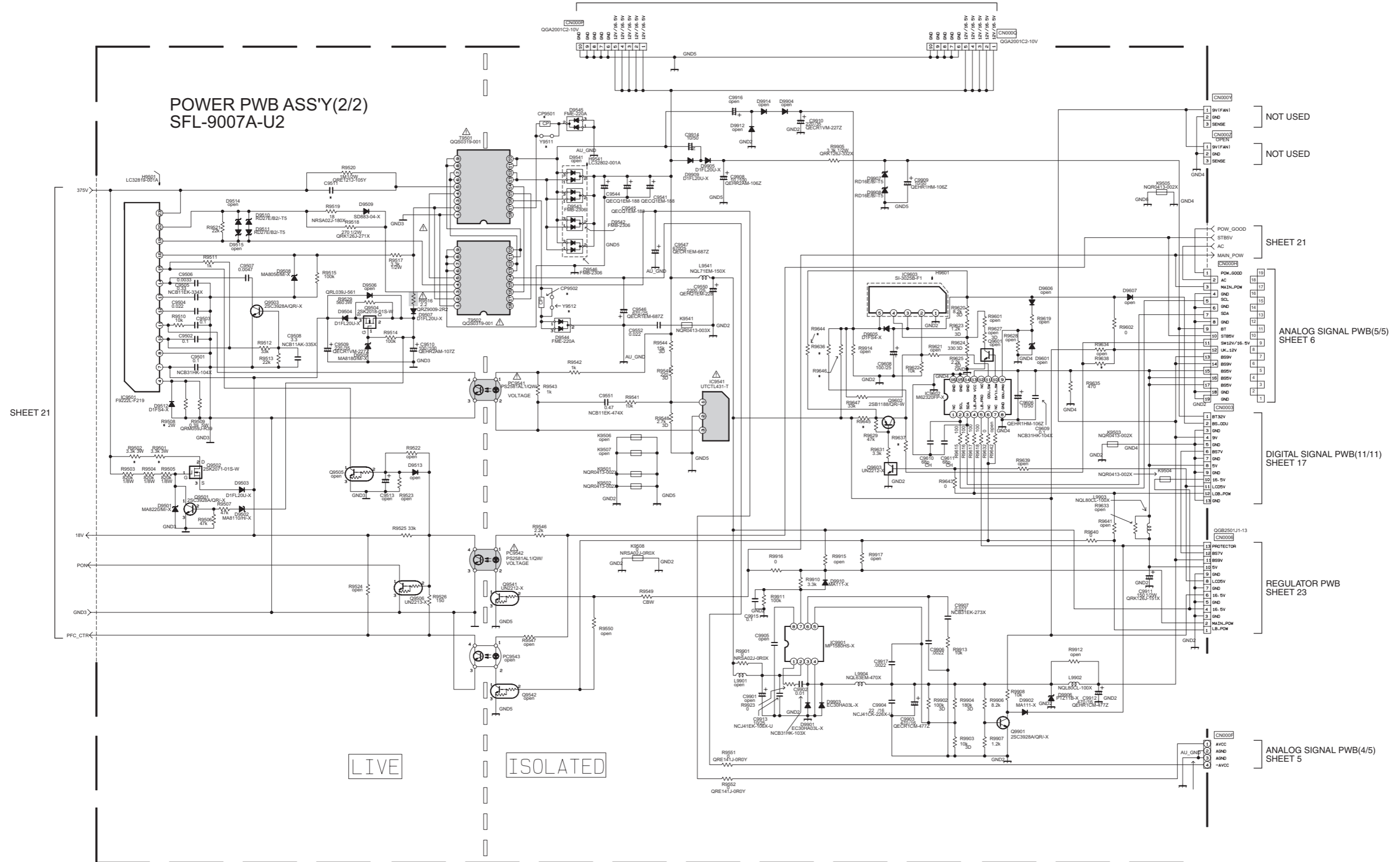
ASS' Y No.	LCA90351 -15*	LCA90351 -17*
	SFL-7021A	SFL-7022A
	OLLC06574	OLLC07108
D7701	OPEN	SML1216W
D7702	HLMPNS30 J00-T16	OPEN
Q7706	OPEN	UN2212-X
Q7709	OPEN	UN2212-X
R7711	1.5K	10K
R7714	680	1.5K
R7715	OPEN	1.5K
R7717	OPEN	10K





DIFFERENCE LIST					DIFFERENCE LIST				
NOTE	C50	D50	SX4		NOTE	C50	D50	SX4	
	SFL-9007A SFL-9008A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A			SFL-9007A SFL-9008A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A	
R9141	QR101J TR0	QR101J TR0	QR101J TR0		C9201	QC23078 -222	QC23078 -222	QC23078 -222	
R9142	QR101J R62	QR101J R62	QR101EJ R62X		C9203	QC23078 -222	QC23078 -222	QC23082 -222	
C9101	QC23078 -472	QC23078 -472	QC23082 -472		C9204	QC23078 -222	QC23078 -222	QC23082 -222	
C9102	QC23078 -472	QC23078 -472	QC23082 -472		C9205	QC23078 -222	QC23078 -222	QC23082 -222	
C9103	QC23078 -472	QC23078 -472	QC23082 -472		C9219	QC23340 -222	QC23340 -222	QC23354 -222	

LCD PANEL UNIT

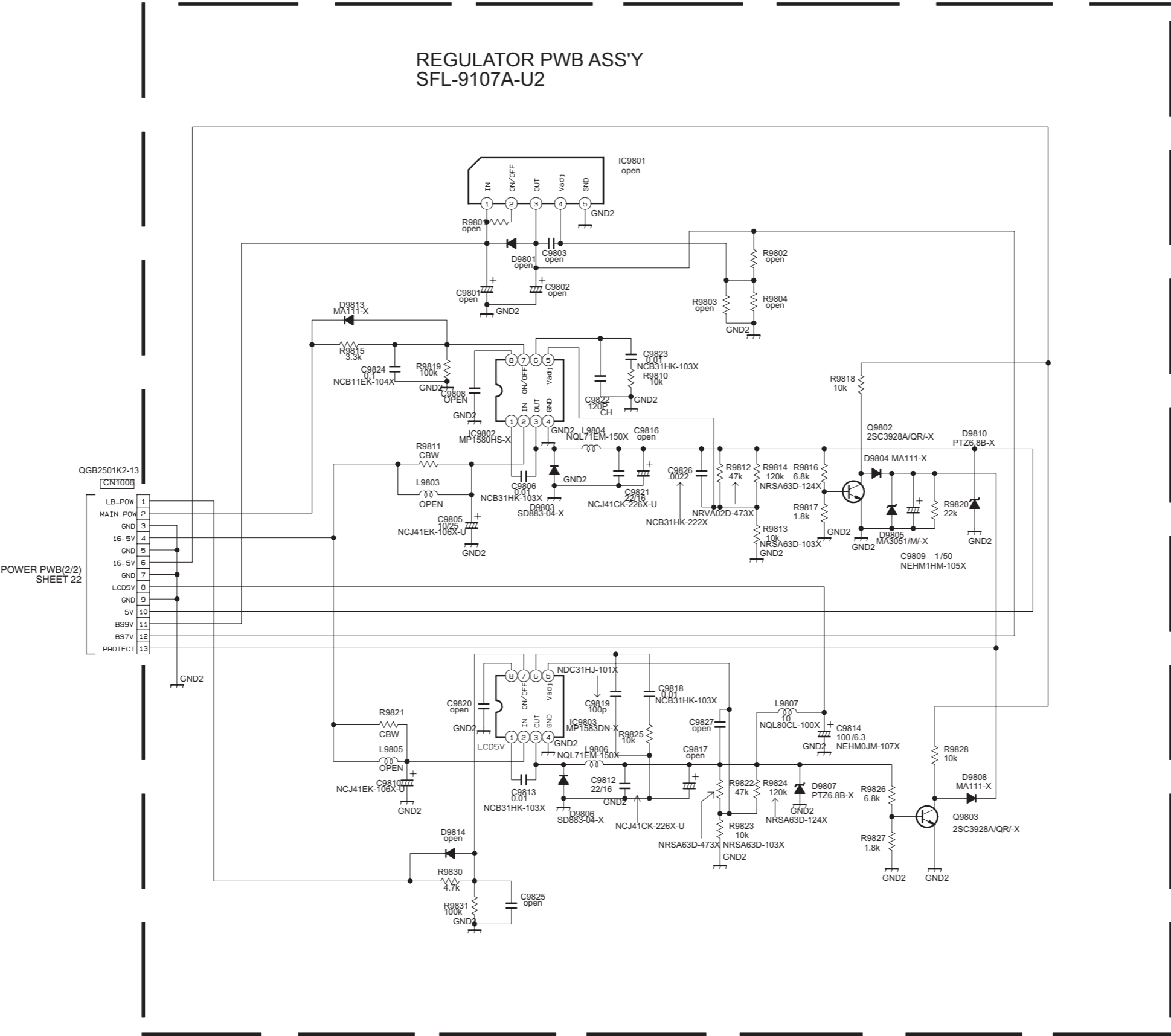


DIFFERENCE LIST		
NOTE	26	32
	SFL-9007A	SFL-9008A
	SFL-9009A	SFL-9010A
	SFL-9013A	SFL-9014A
CP9501	open	QMF2034 -SR02-J1
CP9502	open	QMF2034 -SR02-J1
Y9511	QUY360 -100H	open
Y9512	QUY360 -100H	open

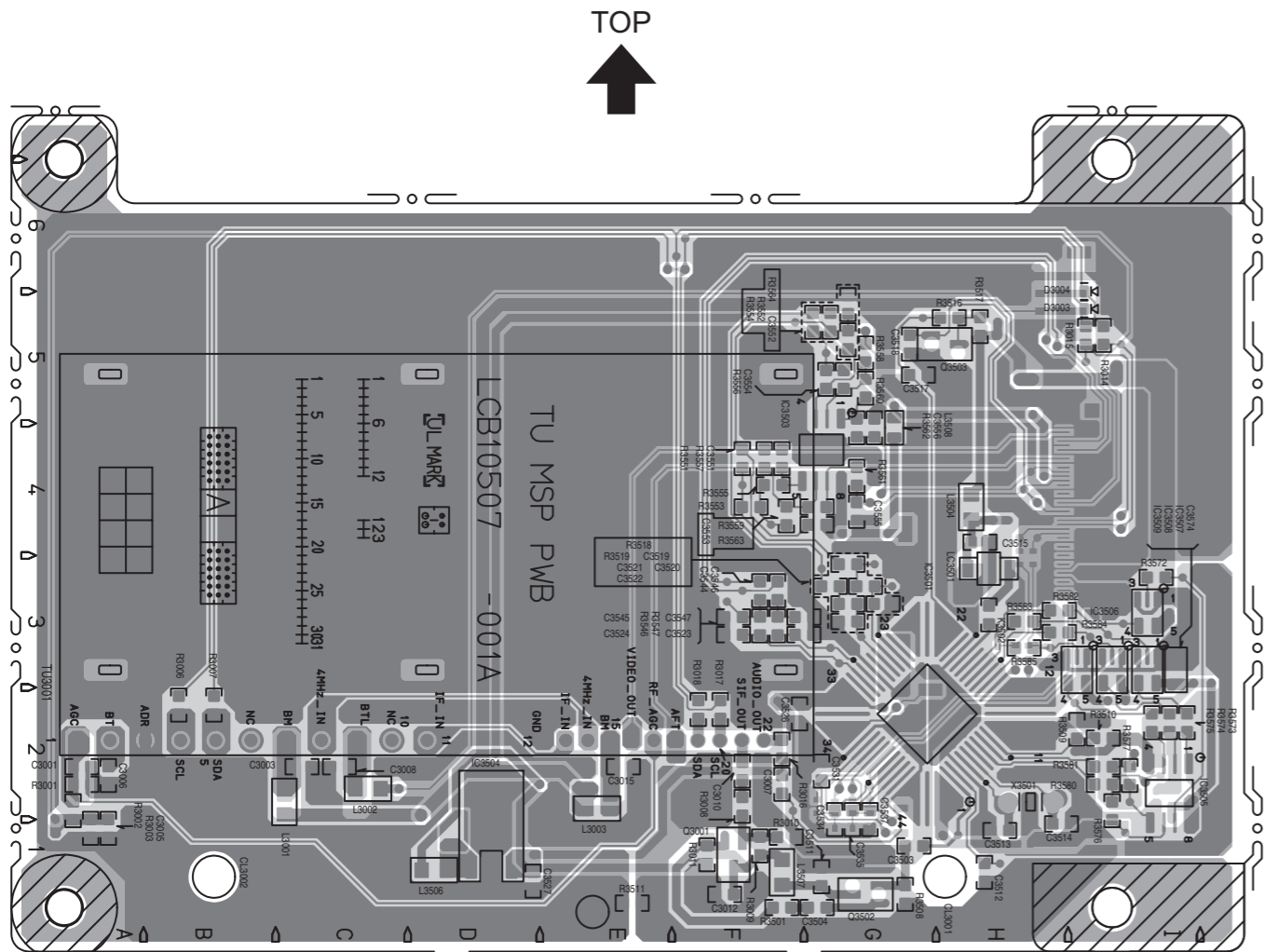
DIFFERENCE		LIST
NOTE	26	3
	SFL-9007A	SFL-5
	SFL-9009A	SFL-5
	SFL-9013A	SFL-5
R9508	QRT029J -2R7	QRT029J -R5
C9511	QFZ0209 -473	QFZ0209 -39

DIFFERENCE LIST				
NOTE	C50	D50	D50A	SX4
	SFL-9007A SFL-9008A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A	
R9636	NRSA02J -ORX	open	NRSA02J -ORX	
R9637	open	NRSA02J -ORX	open	
R9638	NRSA02J -ORX	open	NRSA02J -ORX	
R9644	open	NRSA02J -ORX	open	
R9645	NRS12BJ -ORW	open	NRS12BJ -ORW	
R9646	open	NRS12BJ -ORW	open	

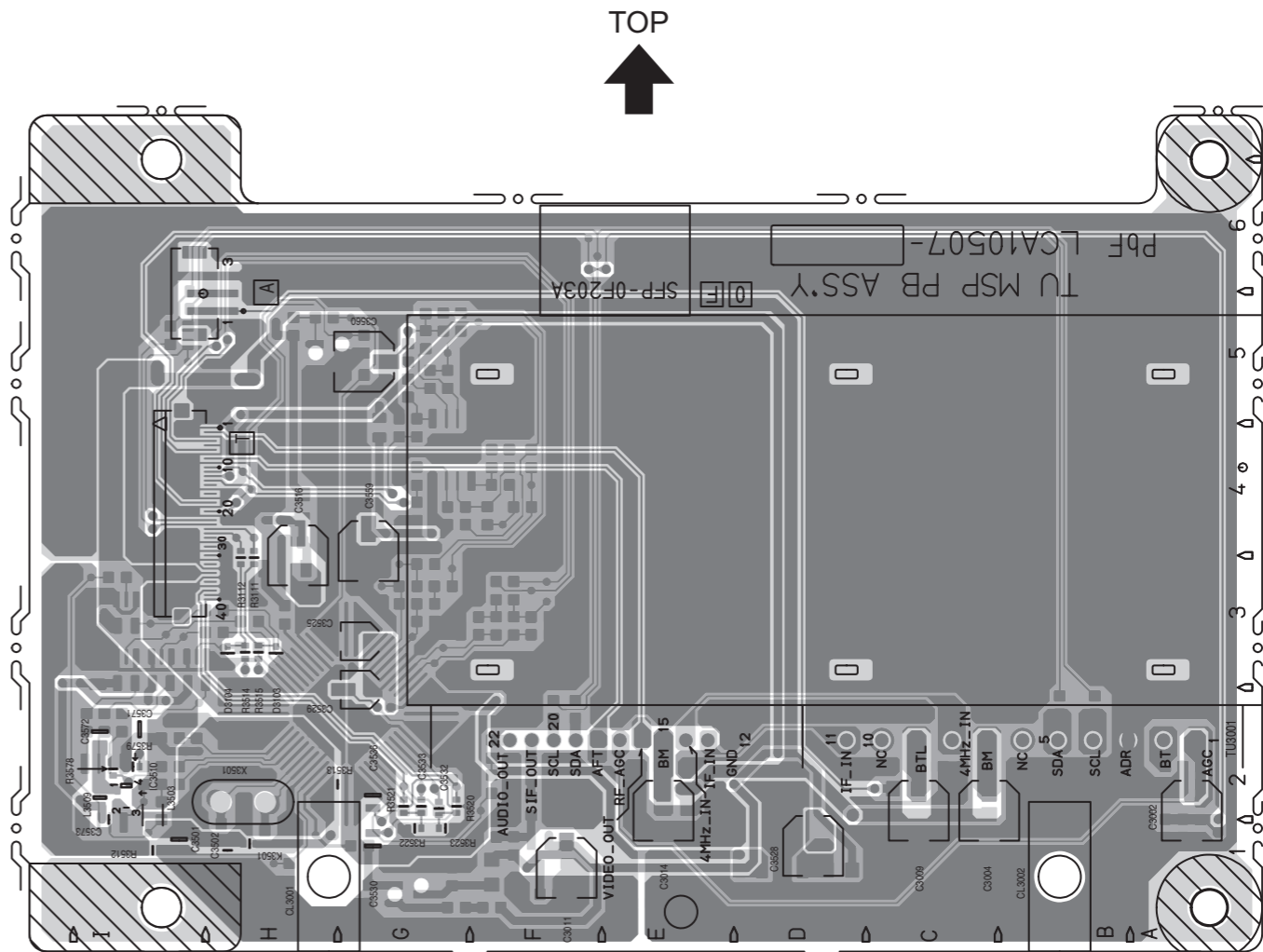
DIFFERENCE LIST			
NOTE	C50	D50	SX4
	SFL-9007A SFL-9007A	SFL-9009A SFL-9010A	SFL-9013A SFL-9014A
R9501	QRL039J -332	QRL039J -332	QRL039E -332X
R9502	QRL039J -332	QRL039J -332	QRL039E -332X



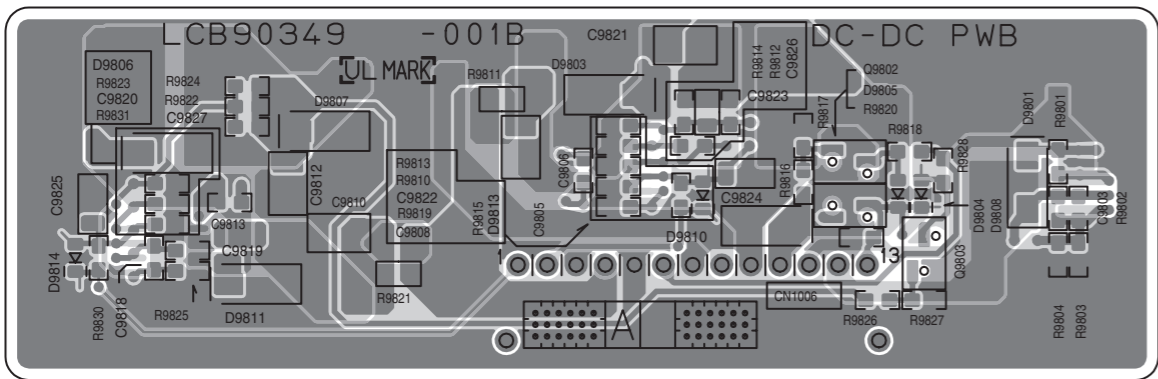
PATTERN DIAGRAMS
RECEIVER PWB PATTERN [SOLDER SIDE]



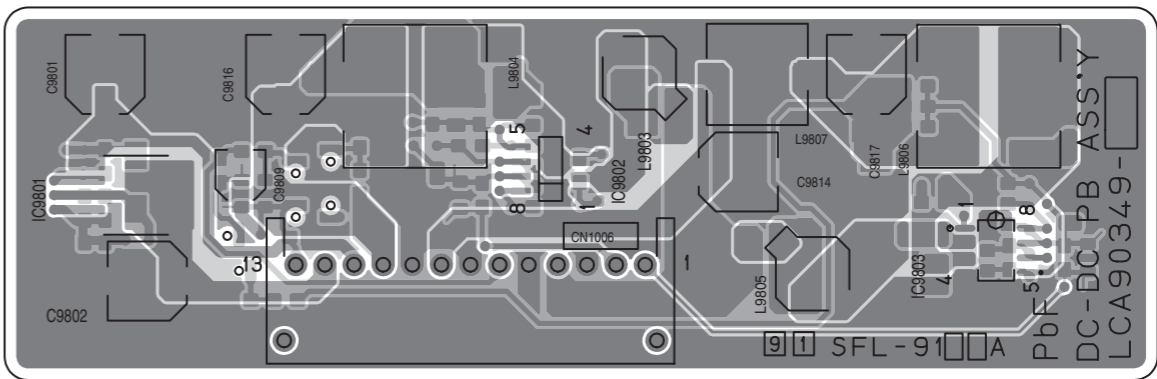
RECEIVER PWB PATTERN [PARTS SIDE]

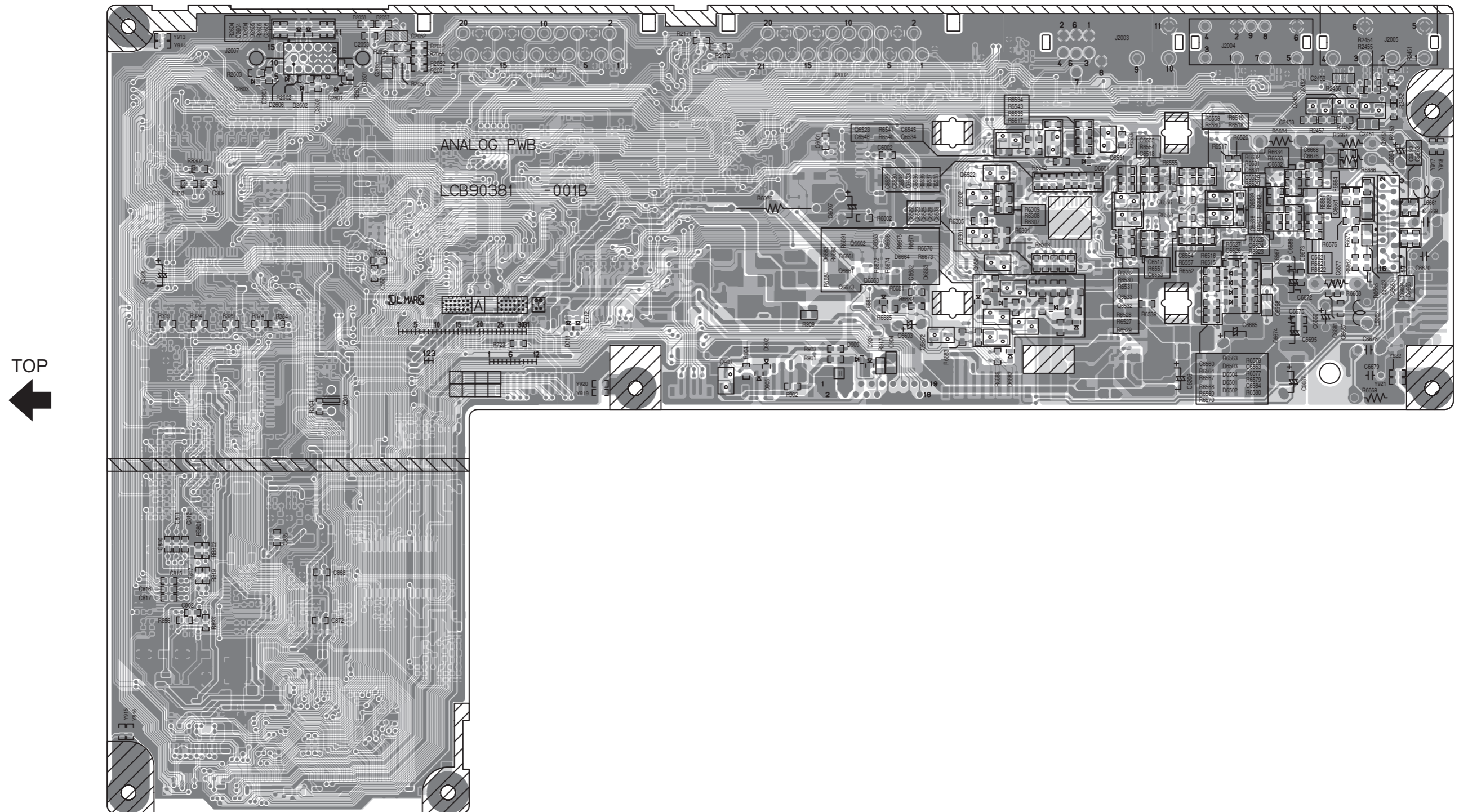


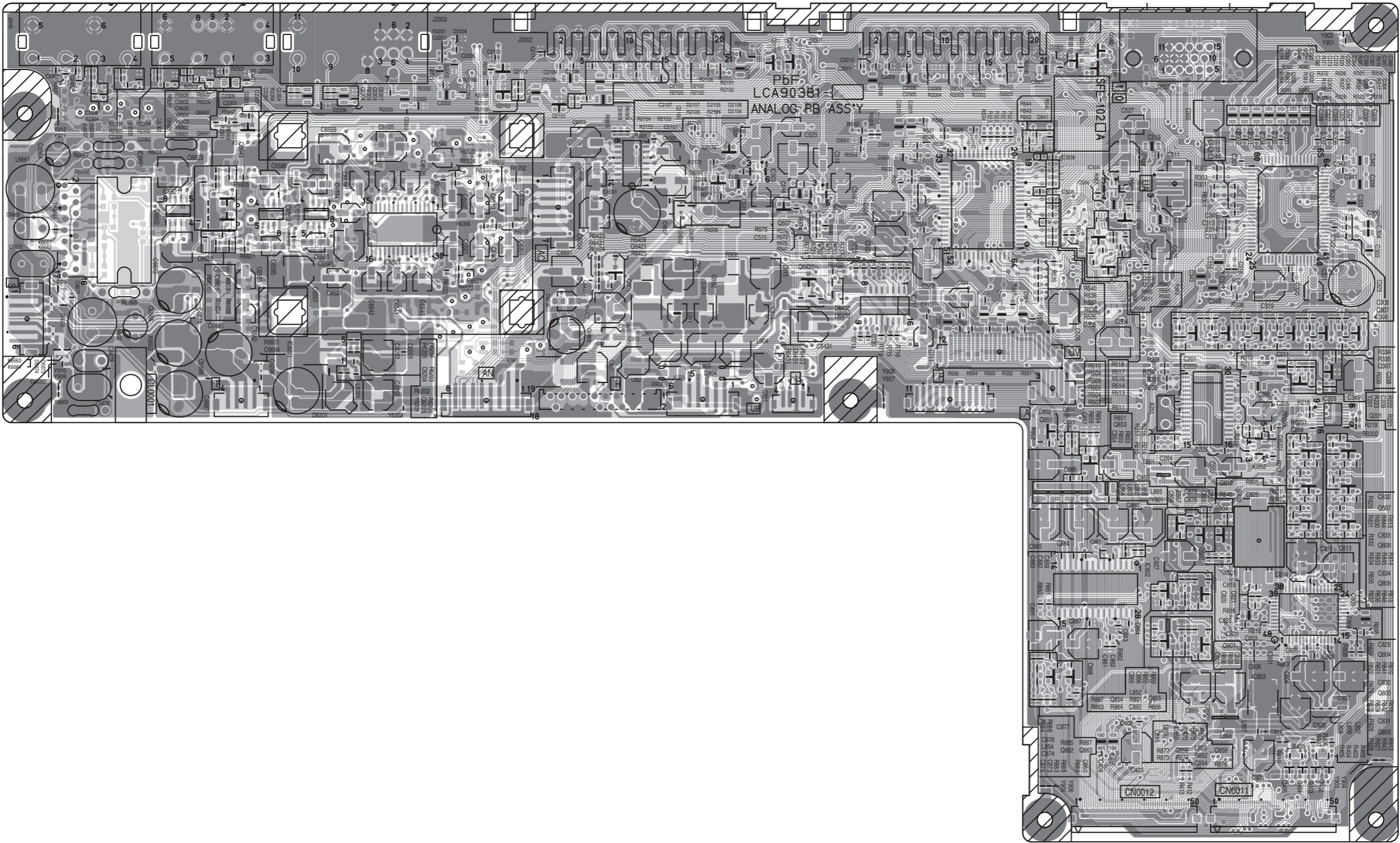
REGULATOR PWB PATTERN [SOLDER SIDE]



REGULATOR PWB PATTERN [PARTS SIDE]

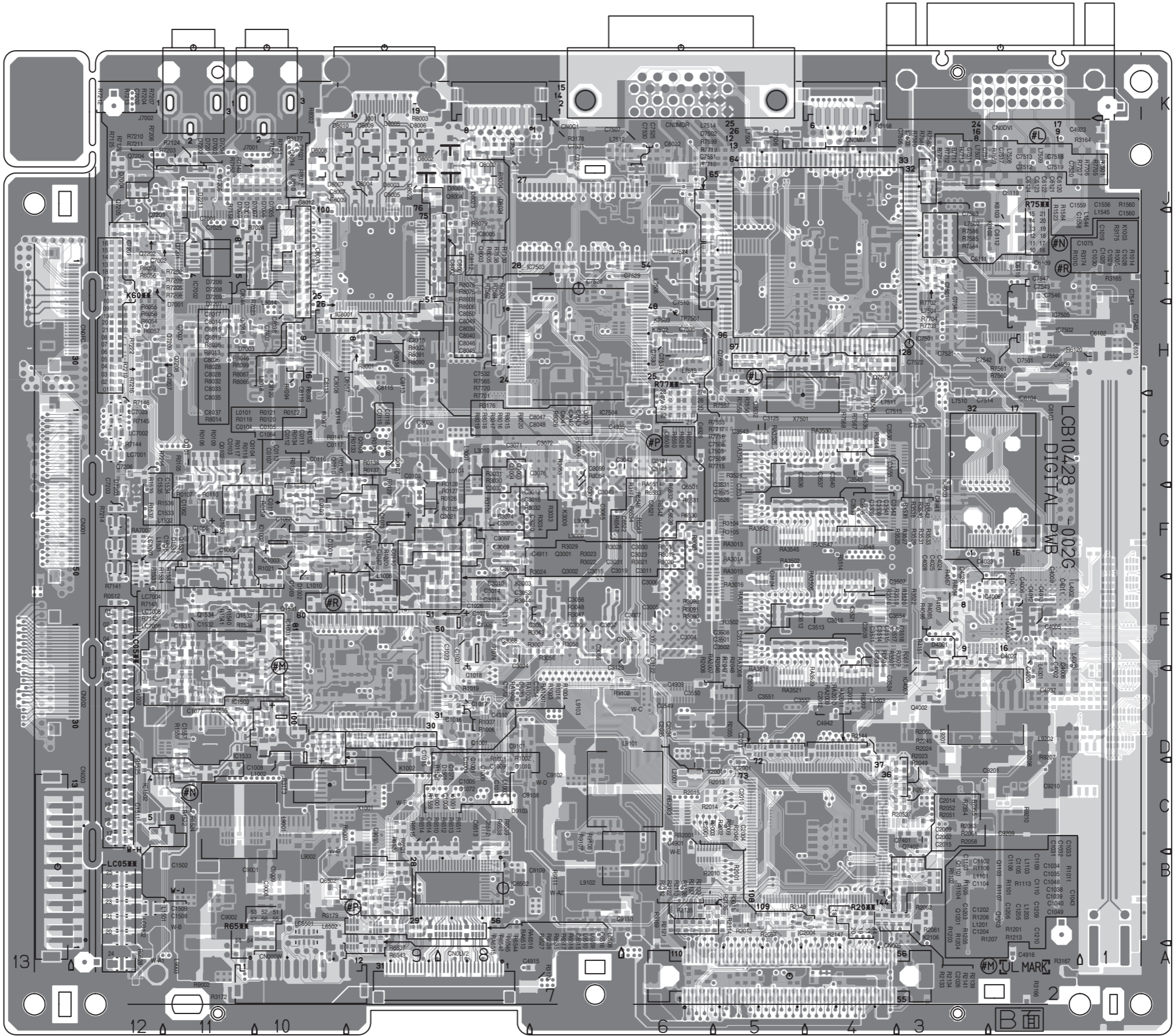


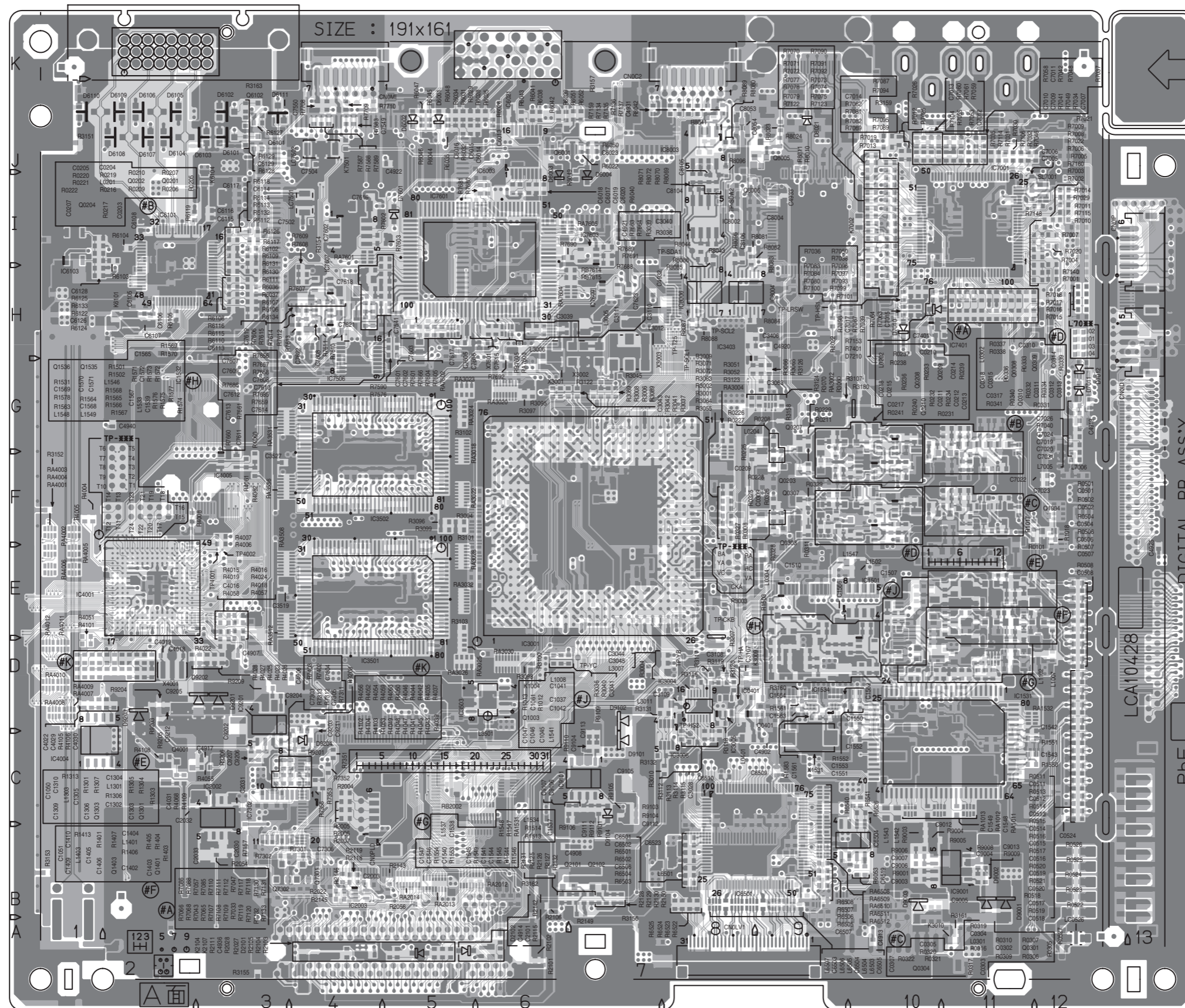




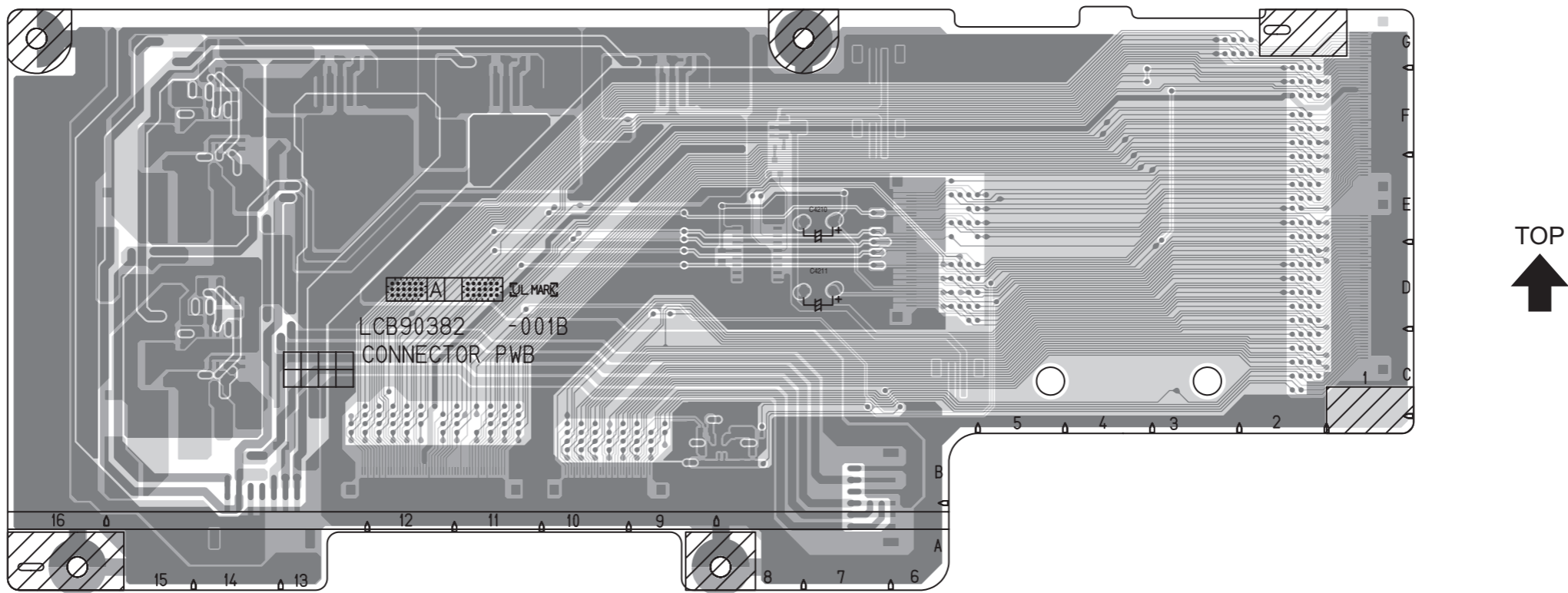
TOP
➔

TOP
←

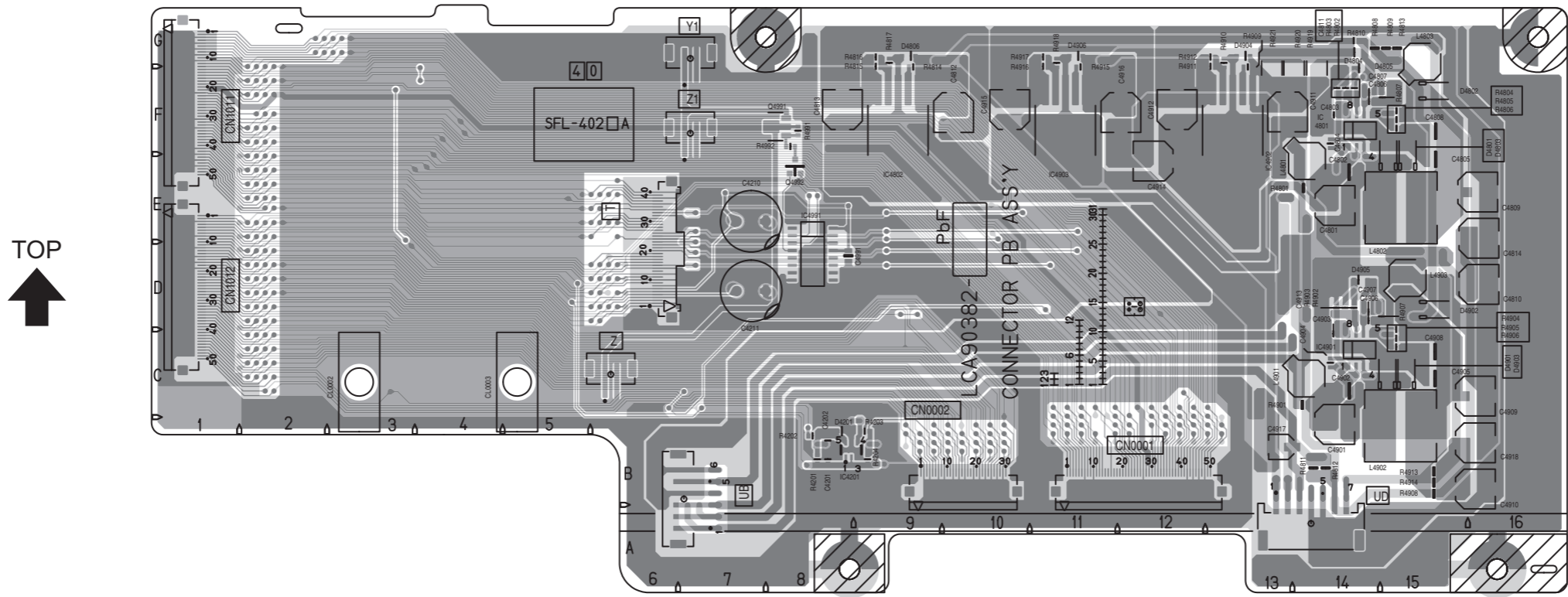




CONNECTOR PWB PATTERN [SOLDER SIDE]

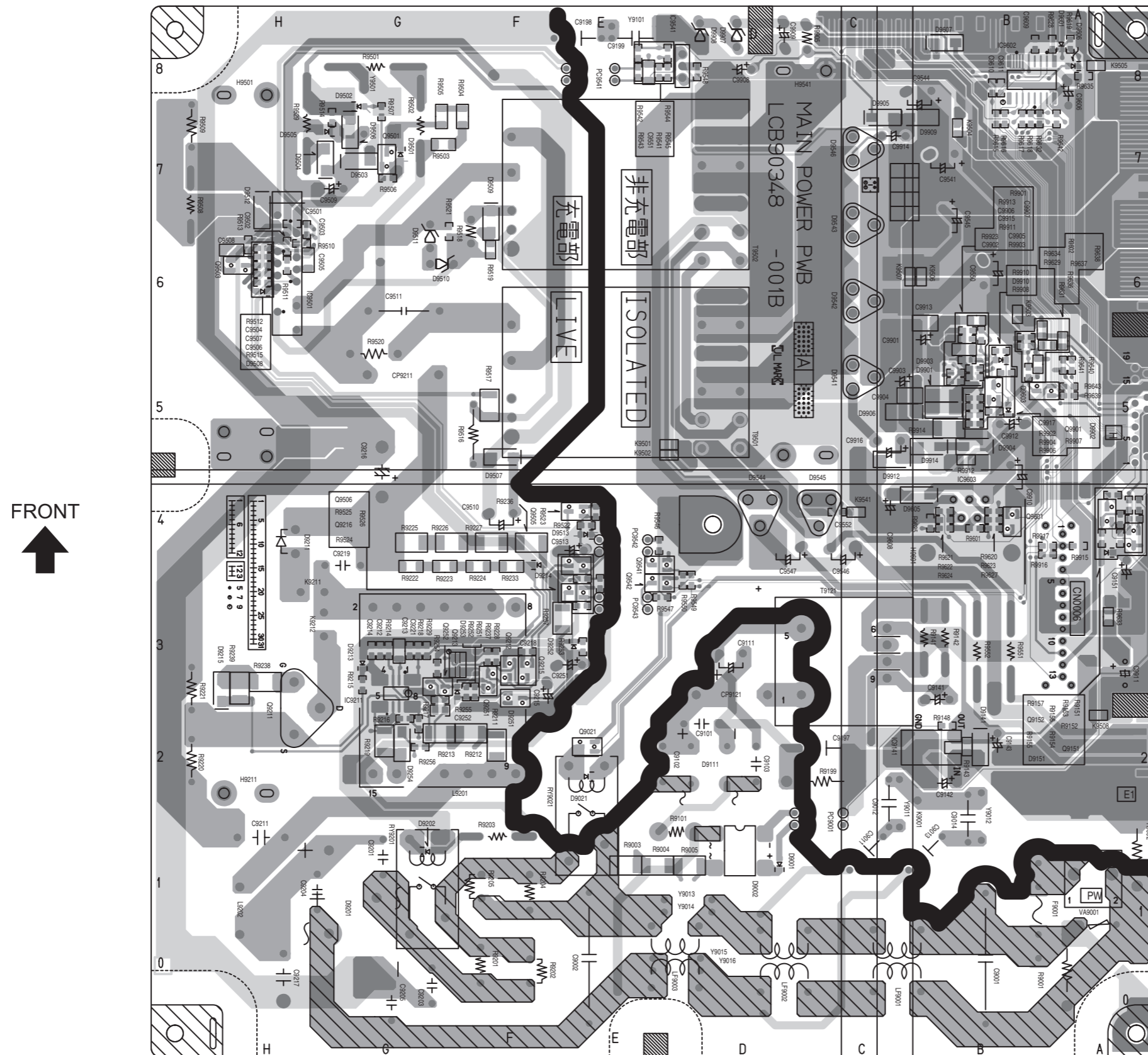


CONNECTOR PWB PATTERN [PARTS SIDE]





CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).



VOLTAGE CHARTS

<RECEIVER>
[P.2-7 - P.2-8]

MODE PIN NO.	DC (V)
IC3501	
1	5.0
2	1.5
3	1.5
4	0
5	2.4
6	2.2
7	0
8	0
9	0
10	2.5
11	5.0
12	5.0
13	5.0
14	2.2
15	2.5
16	0.7
17	0.7
18	0
19	5.0
20	0
21	0
22	5.0
23	0
24	0
25	0
26	2.0
27	2.1
28	0
29	0
30	3.3
31	3.4
32	0
33	8.0
34	6.3
35	0
36	3.8
37	3.8
38	3.7
39	0
40	3.6
41	3.8
42	2.6
43	3.8
44	0
IC3503	
1	4.5
2	4.5
3	4.4
4	0
5	4.5
6	0
7	4.5
8	9.0
IC3504	
1	9.0
2	0
3	8.0
IC3505	
1	0.3
2	1.3
3	1.1
4	0
5	0
6	0
7	0.3
8	2.5
IC3506	
1	0
2	0.3
3	0
4	0.7
5	5.1
IC3507	
1	0
2	0.7
3	0
4	0.2
5	2.5
IC3508	
1	0
2	2.5
3	0
4	1.1
5	2.5
IC3509	
1	0
2	2.0
3	0
4	1.0
5	2.5
IC3510	
1	2.5
2	0
3	5.0
4	5.0
Q3001	

<ANALOG SIGNAL>
[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC501	
1	4.0
2	4.5
3	4.4
4	4.5
5	4.4
6	3.5
7	3.5
8	4.4
9	4.5
10	4.4
11	4.5
12	4.5
13	0
14	3.5
15	4.0
16	4.5
17	4.0
18	4.5
19	4.4
20	0
21	0
22	4.0
23	4.5
24	4.0
25	4.5
26	4.4
27	0.2
28	5.0
29	4.5
30	4.0
31	4.58
32	9.0
33	4.9
34	5.0
35	0
36	0
37	4.4
38	4.5
39	0
40	4.5
41	4.4
42	9.1
43	4.4
44	4.4
45	4.5
46	3.8
47	4.4
48	0
49	0
50	0
51	4.4
52	4.5
53	4.4
54	4.5
55	3.7
56	4.1
57	0.3
58	4.3
59	4.5
60	4.0
61	4.5
62	4.5
63	4.5
64	4.5
IC502	
1	3.2
2	3.5
3	9.0
4	2.9
5	0
6	9.0
IC503	
1	2.9
2	3.0
3	9.0
4	2.7
5	0
6	9.0
IC504	
1	2.1
2	2.1
3	9.0
4	2.3
5	0
6	9.0
Q507	
E	1.5
C	0
B	0.9
Q508	
E	2.9
C	0
B	2.2
Q509	
E	2.8
C	0

MODE PIN NO.	DC (V)
B	2.2
Q511	
E	0
C	5.2
B	0.4
Q512	
E	5.2
C	0
B	4.6
Q513	
1	0
2	0.7
3	0.7
4	0
5	0.2
6	0
Q2051	
E	0
C	0
B	0
Q2052	
E	0
C	0
B	0
Q2053	
E	0
C	0
B	0
Q2151	
E	0
C	0
B	0
Q2152	
E	0
C	0
B	0
Q2153	
E	0
C	0
B	0
Q2171	
E	4.9
C	4.3
B	4.8
Q2172	
E	4.6
C	5.0
B	4.9
Q2173	
E	0
C	5.3
B	0
Q2451	
E	0
C	0
B	0
Q2452	
E	0
C	0
B	0
Q2453	
E	0
C	0
B	0

MODE PIN NO.	DC (V)
IC711	
1	5.2
2	5.3
3	4.6
4	4.6
5	0.4
6	0.4
7	0.4
8	0
9	5.4
10	5.3
11	5.4
12	5.4
13	0
14	5.1
15	4.9
16	5.4
IC801	
1	2.3
2	2.0
3	1.5
4	0
5	2.4
6	5.2
7	2.6
8	0
9	0.4
10	0.8
11	2.5
12	5.2
13	4.9
14	4.9
15	0
16	0
17	0
18	0
19	0
20	2.5
21	1.8
22	1.9
23	1.9
24	0
25	2.6
26	2.6
27	0
28	0
29	0
30	0
31	0
32	5.2
33	2.6
34	2.6
35	2.6
36	0.6
37	5.2
38	4.1
39	1.8
40	3.3
41	2.1
42	4.7
43	1.8
44	2.0
45	5.2
46	2.1
47	3.9
48	1.8
IC802	
1	1.3
2	3.2
3	5.1
4	2.5
5	0
6	1.9
7	2.4
8	0
9	0
10	0
11	5.1
12	0
13	5.2
14	0
15	4.9
16	5.0
17	0
18	0
19	2.5
20	5.1
21	0
22	2.9
23	2.9
24	3.5
25	3.4
26	0
27	3.4
28	1.7
Q402	
S	3.2

MODE PIN NO.	DC (V)
D	2.9
G	5.0
Q403	
S	3.1
D	3.0
G	5.0
Q404	
S	3.2
D	3.1
G	5.3
Q405	
S	3.1
D	3.2
G	5.3
Q801	
E	2.7
C	0
B	2.1
Q802	
E	2.9
C	0
B	2.3
Q804	
E	1.6
C	5.2
B	2.1
Q805	
E	1.6
C	5.2
B	2.2
Q806	
E	1.6
C	5.2
B	2.2
Q807	
E	1.6
C	5.1
B	2.2
Q808	
E	1.6
C	5.2
B	1.0
Q853	
E	1.9
C	9.0
B	2.7
Q854	
E	2.8
C	9.0
B	3.3
Q855	
E	2.0
C	0
B	1.4
Q858	
E	2.8
C	9.0
B	3.3
Q859	
E	3.4
C	0.2
B	2.8
Q862	
E	1.0
C	4.1
B	1.6
Q863	
E	3.5
C	5.2
B	4.1

MODE PIN NO.	DC (V)
IC201	
1	0.3
2	0.2
3	0
4	0
5	0
6	0
7	6.2
8	0
9	4.8
10	0
11	8.8
12	1.3
13	0
14	0
15	0.2
16	0
17	0
18	0
19	0.5
20	0
21	5.0
22	5.1
23	0
24	2.1
25	1.2
26	2.1
27	0
28	0.8
29	0.4
30	0.6
IC203	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0.6
10	0.6
11	0.5
12	0
13	0
14	0
15	0
16	5.2
IC301	
1	5.2
2	4.8
3	5.0
4	0
5	4.4
6	0
7	4.7
8	5.1
9	4.7
10	0.6
11	4.5
12	4.5
13	0
14	4.7
15	0
16	4.7
17	5.1
18	4.7
19	0.6
20	4.5
21	4.5
22	0
23	4.5
24	4.5
25	0
26	0.5
27	4.4
28	0
29	0
30	4.4
31	9.0
32	4.5
33	4.5
34	0
35	4.5
36	4.5
37	0
38	4.54
39	4.5
40	4.5
41	4.5
42	0
43	4.4
44	4.5
45	0
46	4.4
47	9.0
48	4.7

MODE PIN NO.	DC (V)
49	0.4
50	0.4
51	0
52	4.7
53	0
54	4.5
55	1.5
56	0
57	0.4
58	0
59	4.7
60	0
61	4.7
62	0.4
63	4.5
64	4.5
65	0
66	4.7
67	4.7
68	4.7
69	0
70	4.5
71	4.5
72	0
73	5.2
74	4.7
75	4.7
76	4.7
77	0
78	4.5
79	4.5
80	0
Q301	
E	3.8
C	9.0
B	4.6
Q302	
E	3.8
C	9.0
B	4.5
Q303	
E	3.8
C	9.0
B	4.5
Q307	
E	2.8
C	0
B	2.2

MODE PIN NO.	DC (V)
IC6001	
1	8.8
2	4.0
3	0.4
4	0.5
5	4.1
6	4.2
7	0
8	0
9	4.1
10	4.0
11	0
12	0.2
13	4.1
14	0
IC6201	
1	13.4
2	2.8
3	12.2
4	2.5
5	0
IC6521	
1	6.1
2	6.2
3	6.1
4	6.1
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	6.2
11	3.1
12	3.1
13	5.0
14	5.1
15	0
16	12.0
17	0
18	0
19	5.9
20	6.1
21	6.1
22	6.1
23	6.1
24	6.2
25	6.2
26	6.1
27	6.1
28	6.1
29	6.2
30	6.1
IC6551	
1	6.4
2	6.3
3	6.2
4	0
5	6.2
6	6.3
7	6.4
8	12.2
IC6552	
1	6.3
2	6.3
3	6.2
4	0
5	6.2
6	6.3
7	6.3
8	12.2
IC6621	
1	-7.0
2	0
3	0
4	-13.4
5	0
6	0
7	-7.0
8	12.7
IC6661	
1	-7.0
2	-7.3
3	0.1
4	0.3
5	13.3
6	11.8
7	0
8	-13.4
9	-0.7
10	-13.4
11	0
12	11.9
13	13.3
14	0.4
15	-2.9
16	-7.4
17	-7.0

[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC7501	
1	3.3
2	0.2
3	0.2
4	3.3
5	0
6	0
7	0
8	0
9	0
10	0
11	0.3
12	3.2
13	0
14	3.3
15	0
16	0
17	0
18	0
19	0
20	0
21	2.4
22	0
23	0
24	2.5
25	0
26	0.8
27	2.4
28	0
29	0
30	1.1
31	0
32	0
33	0.8
34	0.8
35	1.6
36	0.9
37	0
38	1.0
39	2.9
40	2.5
41	0
42	3.2
43	1.6
44	2.5
45	3.3
46	3.3
47	3.2
48	0
49	0
50	3.3
51	1.5
52	0
53	3.3
54	0.7
55	0.1
56	2.1
57	0.1
58	1.1
59	1.1
60	0
61	3.3
62	0.3
63	0.2
64	1.1
65	1.5
66	0.8
67	0.5
68	0
69	3.3
70	0.5
71	0.7
72	1.0
73	3.3
74	3.3
75	3.2
76	2.0
77	1.2
78	0
79	0
80	0
81	0
82	3.2
83	0
84	0
85	3.3
86	0
87	2.4
88	0
89	3.2
90	0
91	3.2
92	0
93	0
94	0
95	0
96	0

MODE PIN NO.	DC (V)
97	0
98	3.3
99	3.2
100	0
101	3.2
102	3.3
103	3.3
104	0
105	0
106	3.2
107	0
108	0.6
109	0.3
110	0
111	2.5
112	0.3
113	0.3
114	0.2
115	0
116	2.4
117	0
118	0
119	2.5
120	0
121	0.7
122	0
123	2.4
124	2.4
125	2.4
126	1.7
127	0.5
128	0
IC7502	
1	3.3
2	3.2
3	0
4	0
IC7503	
1	3.3
2	11.8
3	1.5
4	0
5	1.2
6	1.3
7	5.1
8	0
9	3.3
10	1.0
11	0.9
12	0
13	0.8
14	3.3
15	0
16	3.2
17	2.5
18	2.9
19	2.4
20	1.2
21	1.1
22	0
23	0
24	0.9
25	1.6
26	0
27	3.3
28	0
29	0.7
30	2.3
31	0.8
32	2.5
33	0
34	0
35	0
36	0
37	3.2
38	1.58
39	0
40	0
41	0
42	0.3
43	3.3
44	0.2
45	0.6
46	0
47	1.0
48	0.9
49	3.3
50	0.3
51	2.0
52	0
53	1.2
54	0
IC7505	
1	4.7
2	0
3	1.3
4	2.4

MODE PIN NO.	DC (V)
5	3.3
IC7506	
1	0.2
2	3.3
3	0.1
4	0.1
5	0.1
6	0
7	0
8	0
9	0
10	0
11	0
12	3.3
13	0.4
14	3.2
15	3.3
16	3.3
IC9001	
1	8.1
2	11.9
3	3.3
4	0
5	1.2
6	1.4
7	5.3
8	0
IC9101	
1	7.3
2	11.8
3	2.4
4	0
5	1.2
6	1.4
7	5.3
8	0
IC9201	
1	6.4
2	11.8
3	1.5
4	0
5	1.2
6	1.3
7	5.1
8	0
Q7501	
E	2.6
C	0
B	2.1
Q7508	
E	0
C	0
B	0

<CONNECT> [P.2-41 - P.2-42]	
MODE PIN NO.	DC (V)
IC4201	
1	0.6
2	0.6
3	0
4	0.2
5	3.3

<FRONT CONTROL> [P.2-43 - P.2-44]	
MODE PIN NO.	DC (V)
Q7701	
E	0
C	0
B	3.2
Q7705	
E	3.0
C	2.9
B	0

<FRONT SENSOR> [P.2-45 - P.2-46]	
MODE PIN NO.	DC (V)
IC8752	
1	3.7
2	5.0
3	0

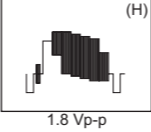
<POWER> [P.2-47 - P.2-48]	
MODE PIN NO.	DC (V)
IC9141	
1	5.7
2	0
3	5.0
IC9211	
1	2.5
2	0
3	0.7
4	0
5	2.6
6	0
7	13.1
8	20.2
Q9021	
E	0
C	0.1
B	3.1
Q9211	
S	0
D	87.8
G	13.1
Q9212	
E	0
C	10.2
B	0
Q9213	
1	20.2
2	0
3	0
4	0
5	0
6	20.2
Q9215	
E	0
C	0
B	0.6
Q9216	
E	0
C	10.7
B	0.1
Q9251	
E	0
C	10.2
B	0.5
Q9252	
E	0
C	0
B	10.7

[P.2-49 - P.2-50]	
MODE PIN NO.	DC (V)
IC9501	
4	0
7	20.3
8	0
10	4.9
11	1.1
12	4.9
13	3.0
14	0.8
15	5.0
16	1.3
19	256.5
20	255.3
23	378.2
IC9541	
1	2.4
2	0
3	9.0
IC9602	
1	0
2	4.9
3	4.9
4	5.3
5	0
6	5.3
7	0
8	0
9	0
10	0
11	0
12	0
13	5.3
14	0
15	0
16	0
IC9603	
1	0
2	2.1
3	12.0
4	2.5
5	16.2
IC9901	
1	13.4
2	11.9
3	9.1
4	0
5	1.2
6	1.2
7	3.1
8	0
Q9501	
E	0
C	0
B	0.6
Q9502	
S	0
D	0.4
G	378.2
Q9503	
E	0
C	0
B	0.6
Q9504	
S	22.6
D	20.9
G	39.8
Q9506	
E	0
C	9.9
B	0.1
Q9541	
E	0
C	0
B	3.2
Q9602	
E	11.2
C	11.8
B	11.9
Q9603	
E	0
C	0
B	5.2
Q9901	
E	0
C	0
B	0.6
CN000P	
1	12.0
2	12.0
3	12.0
4	12.0
5	12.0
6	0
7	0
8	0
9	0
10	0

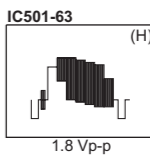
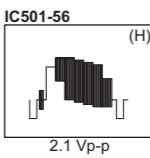
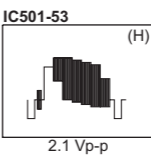
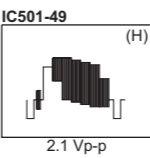
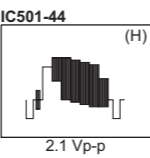
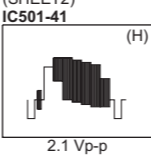
<REGULATOR> [P.2-51 - P.2-52]	
MODE PIN NO.	DC (V)
IC9802	
1	10.0
2	11.9
3	5.2
4	0
5	1.2
6	1.2
7	3.1
8	0
IC9803	
1	9.6
2	11.9
3	5.2
4	0
5	1.2
6	1.5
7	5.1
8	1.6
Q9802	
E	0
C	0
B	0.6
Q9803	
E	0
C	0
B	0.6

WAVEFORMS

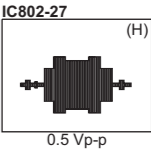
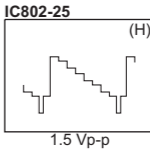
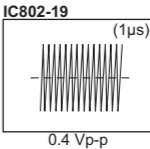
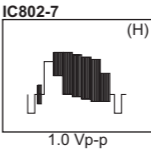
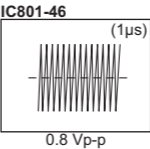
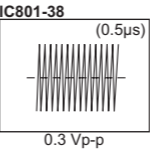
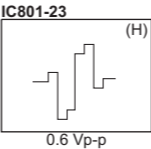
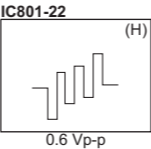
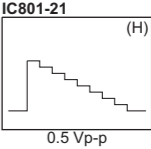
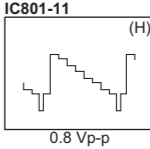
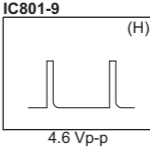
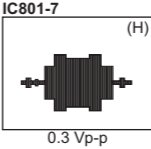
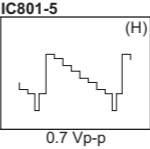
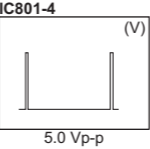
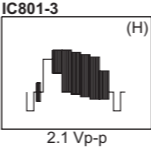
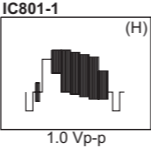
RECEIVER PWB
(SHEET1)
TU3001-16



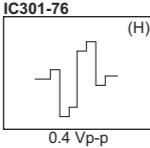
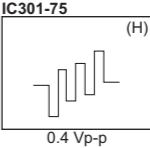
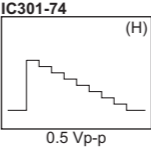
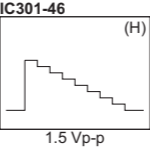
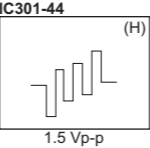
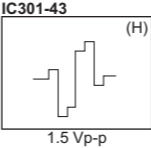
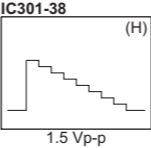
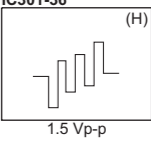
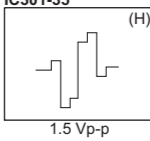
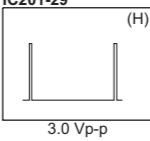
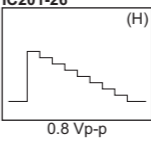
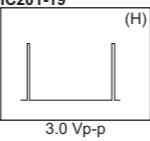
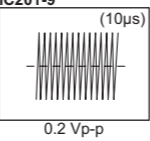
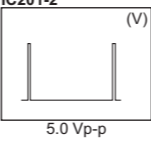
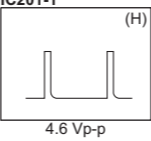
ANALOG SIGNAL PWB (1/5)
(SHEET2)
IC501-41



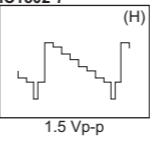
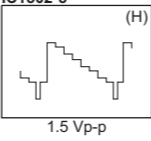
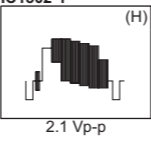
ANALOG SIGNAL PWB (2/5)
(SHEET3)
IC801-1



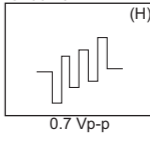
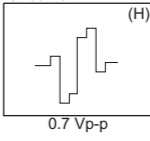
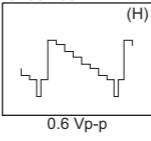
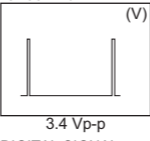
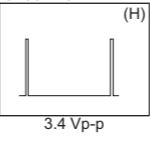
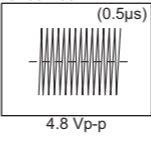
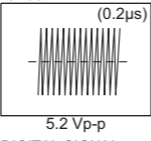
ANALOG SIGNAL
PWB (3/5) (SHEET4)
IC201-1



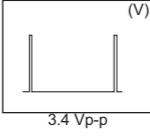
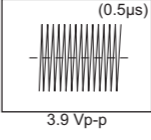
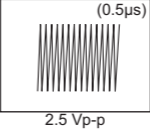
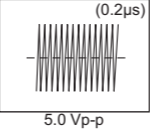
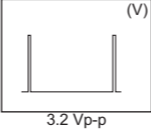
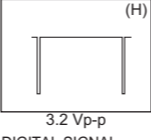
DIGITAL SIGNAL
PWB (1/11) (SHEET7)
IC1502-1



DIGITAL SIGNAL
PWB (3/11) (SHEET9)
IC1001-7



DIGITAL SIGNAL
PWB (7/11) (SHEET13)
IC6502-27





Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA204)



Printed in Japan
WPC